

Missouri SkillsUSA Championships

Introduction

The Missouri SkillsUSA Championships has been called the showcase of technical education. The Missouri SkillsUSA Championships recognize career and technical education students who excel in their occupational areas, as well as leadership development activities that are such an integral part of the SkillsUSA program in the classroom.

The involvement of industry in the Missouri SkillsUSA Championships program is essential. Leadership, health, trade, industrial and technical experts donate their time to serve as contest judges and as technical committee members. They assume responsibility for selecting the skills that are to be judged, determining the format of the contests and establishing the standards by which contestants will be judged.

Besides showcasing students' skills, the Missouri SkillsUSA Championships, by the very nature of competition, urges students to take pride in their work. It also provides prospective employers with an opportunity to see dedicated, motivated potential employees at work.

To continue to meet the needs of both these potential employees and prospective employers, the lines of communication between technical education schools and industry must be kept open. Educators need to be able to identify industry's needs and, in turn, develop appropriate curricula.

Contestant Eligibility

The purpose of this policy is to ensure that Missouri SkillsUSA students participating in the Missouri District, State, and the National SkillsUSA Championships are provided a positive educational experience and are adequately prepared to meet the challenges of the competition and their future occupations. The students should understand that by participating in competitive events they can motivate themselves to develop more skills than would otherwise be expected through extra effort and determination. Those extra skills can provide them with a higher quality of work experience throughout their lifetime.

To be eligible to compete in the district and state Missouri SkillsUSA Championships, a student must meet the following guidelines:

1. The student must meet the eligibility requirements of the local school district for participation in intra and extra-curricular activities.
2. The student must be an active SkillsUSA member of both the state and national organization with dues paid and roster postmarked by February 1st of the membership year.
3. The student must be enrolled in or just have completed (within the current membership year) a vocational program (meeting the requirements of the State Plan for Vocational Education) as a full time student in preparation for a career in technical, skilled, and service occupations, including health occupations.
4. The student must be able to describe the purposes the organization and identify its symbols and explain their meaning.
5. The student must be willing to voluntarily comply with the Missouri SkillsUSA code of conduct as established by the Missouri SkillsUSA Executive Council.
6. The student must know how to apply for a job and evaluate job offers.
7. The student must have been instructed in the necessary safety precautions, procedures and practices related to the work assignments they will perform as part of their occupation.
8. The student must be able to meet the eligibility requirements of *The SkillsUSA Championships Technical Standards* if the contest is offered at the National Level.

Students meeting the above requirements may participate in district and state competitions as follows:

1. Individual contestants may enter no more than three events and no more than one event in each of the following categories:

- Skill contests
- Leadership contests (written or performance)
- Occupationally related contest contests (written or performance)
- Technical information contests (written)

The Senior District Advisor and State SkillsUSA Director, must approve their participation, where the schedule permits.

2. Students may only enter a contest that has competencies that are parallel to the competencies in the training program in which they are enrolled.

3. Students must be a member of a local chapter assigned to the district where the competition is held and can only compete in one district.

4. To be eligible to compete at the state level, a student must have placed first, or second in a skills contest; placed first, second or third in a leadership, occupationally related or technical information contest at the district level; or when a leadership or skills district contest is not offered the Senior District Advisor will approve the competing contestants. All state level contestants in Technical Information (written), written Occupationally Related, and written leadership contests must have competed at the district level. In the event that the highest-ranking contestant is unable to participate, the next highest-ranking contestant will be eligible to compete. The number of contestants from a local chapter who may participate in state contests (where no district contest is held) shall be determined by the state director based on the number of schools offering the program and the space available at the contest site. Cases with extenuating circumstances may submit, in writing, a waiver to the State SkillsUSA Director prior to February 1st. Each case will be evaluated on its own merit.

5. To be eligible to compete at the national level, a student must be the highest-ranking contestant at the state level or be approved by the State Director. In the event that the highest-ranking contestant is unable to participate, the next highest-ranking contestant will be eligible to compete. Contestants may enter only one SkillsUSA Championships contest. Cases with extenuating circumstances may submit, in writing, a waiver to the State SkillsUSA Director prior to April 15. Each case will be evaluated on its own merit.

State Level Operating Policies

The State SkillsUSA Director is given the power to set up the state contest in the manner deemed necessary. The Missouri SkillsUSA Association will follow the *National SkillsUSA Championships Operating Policies* and *SkillsUSA Championships Technical Standards* as they apply to operation of the competitive activities as well as participant assistance with the exception of SkillsUSA official attire & mandatory equipment list. The *Missouri SkillsUSA Championships Technical Standards* will be used where no national event is available. A minimum of three schools in the state or five sections if there are not three schools is required to initiate a state contest.

State medallions will be given, for first-, second-, and third-place winners for all contests; plus trophies for state leadership team contests and Health Knowledge Bowl will be presented to the school. In performance contests at the state level, where there are five or less contestants, judges shall rate contestants against a standard level of performance. The judges will determine the level and the number of awards to be presented based on the performance level of the competitors. In written contests, first, second and third place awards shall be given for the Technical Information contests based on the highest number of correct answers. In the event two or more contestants achieve the same numerical score, ties will be awarded.

The number of contestants from a school in a contest that have traditionally had low numbers of participants on the State level will be limited to two (2) per school unless otherwise notified.

A Grievance Committee will be established to review grievances filed concerning the State SkillsUSA Championships. The committee will be composed of: one Senior Advisor, one representative of the host school and one representative of the Industrial Technical Committees.

General Regulations

1. The Missouri SkillsUSA Championships Technical Standards are written as guidelines for the administration of state contests. They should serve as models for administration of local chapter and district contests but should not be considered binding for district associations in conducting district SkillsUSA Championships. They are a guide to assure that the qualifying contest contributes to the overall preparation of the student to enter the work force and assists in the preparation of the student for state competition.
2. All problems and exercises mentioned in the Missouri SkillsUSA Championships Technical Standards are sample exercises only.
3. A careful and thoughtful analysis of the skills and knowledge required for successful employment in technical, skilled and service occupations, including health occupations will identify a core of technical and scientific principles that students should understand. Knowing these principles will increase their chances of succeeding and progressing in their fields and form a basis for understanding and applying new technology as it is introduced to their respective fields. Competitors are expected to understand such principles as they apply to their skill areas. They will be expected to know and demonstrate the following:
 - a. Mathematics
 1. Addition, subtraction, division and multiplication of whole numbers, common fractions, decimal fractions, ratio, proportion, percentage, average, area, volume, metrics and written problems specific to area of training.
 - b. Engineering drawing or print interpretation and schematics related to specific areas of training.
 - c. Completion of a job application form.
 - d. Making an appointment for a job interview.
 - e. Proper interview techniques.
 - f. Responding to oral questions clearly.
4. The competencies listed in this publication under each occupational area are the basis for a quality technical program from which our state contests are derived. They have been listed to provide direction and assistance to district associations as they establish their district and local SkillsUSA Championships and to identify the scope of the state contest.
5. Skill Related Written Test: Written tests and problem-solving exercises covering skills and related information will be included as a part of each contest. The number of points allowed will not exceed 25 percent of the total possible points and will be determined by the technical committee. The following procedures will apply:
 - a. The test will cover the appropriate math, technology, schematic, engineering drawing or print interpretation, safety, problem solving and related information needed for employment.
 - b. The test will be prepared or approved by the Missouri SkillsUSA Championships Technical Committee and may be given at the pre-contest orientation meeting or on the day of the contest.
6. An oral professional assessment, such as a personal interview, oral explanation of skills to be performed, problem to be solved, or other employability skills assessment, will be included as a part of each contest.
7. Each individual contestant in both leadership and skill contests will be given a written test taken from the knowledge required to obtain the District Leadership Award at the District Fall Leadership Conference. The following procedures will apply:

- a. The test will include knowledge of the Motto, Emblem components and their meaning, Creed, Pledge, Colors and their significance, Official attire, Opening and Closing Ceremonies, and the Missouri district names of the SkillsUSA organization. The State SkillsUSA Director will prepare the test.
 - b. The test will not include the names of District or State Officers, District Junior and Senior Advisors and the State Director
 - c. The contest technical committee will administer the test at the pre-contest meetings.
8. There must be at least 3 schools, or five sections if there are not three schools, to initiate a new contest. There must be three entries in the Secondary Division and Postsecondary Division of each contest, before the contest will be held. In the event that less than 6 Secondary and Postsecondary contestants participate for two years, the contest may be discontinued pending decision by the Missouri SkillsUSA Executive Council.
9. Missouri SkillsUSA Championships awards will be presented to the top three contestants in each division.
 - a. No ties will be permitted in the Leadership, Occupationally Related, and Skills Contests. In Technical Information Contests, Technical Spelling, Orientation to Employment, and SkillsUSA Leadership Information, ties will be awarded when they occur.
 - b. Decisions of the judges will be final. The Missouri State SkillsUSA Director, will make interpretations of all contest rules.
10. Who May Compete: Participants must be active SkillsUSA members in their respective divisions whose dues have been postmarked by midnight of February 1st.
 - a. Students must be adequately prepared as outlined in the contestant eligibility policy as established by the Missouri SkillsUSA Executive Council.
 - b. A policy exists whereby exceptions may be made under certain conditions. For details contact the State SkillsUSA Office.
11. Clothing: Participants must meet the clothing requirements for the individual contests. For specific requirements, refer to the individual contest regulations. The penalty for contestants who do not satisfy the dress requirements will be a maximum of 5 percent of the total possible contest points.
12. Tools and Materials: Participants who do not bring the required tools and materials, as specified in the individual contest regulations, will be penalized two points for each missing item. The contest chairperson may provide the missing item(s) but must assess the penalty for each item.
13. Procedure for Contestants: Contestants must attend the pre-contest meeting for skills or leadership events. During the contest, participants must work independently without assistance.

Observer Rules

14. Where space permits, a roped or otherwise marked area will be designated for observers. No observers, including SkillsUSA advisors, will enter the designated contest areas without the approval of the Missouri SkillsUSA Championships Technical Committee.
15. No observers will talk or gesture to contestants.
16. Judges will disqualify contestants who accept assistance from observers.
17. No observers will be permitted in the contest holding room or at the pre-contest orientation meeting unless specifically invited by the Missouri SkillsUSA Championships Technical Committee.
18. Additional limitations on observers, such as entering or leaving a contest area during a demonstration or sequence, may be posted to protect contestants from unnecessary distractions.
19. No cameras with flash attachments or recording devices of any kind will be permitted in any contest area without the written consent of the Missouri State SkillsUSA Director.

INSTRUCTIONS TO MISSOURI SKILLSUSA CHAMPIONSHIPS TECHNICAL COMMITTEE CHAIRS

General Responsibilities

1. Attend all meetings called by the SkillsUSA Championships Director or officially designate a committee member to serve as your authorized representative at those meetings.
2. Make sure that all committee members are familiar with the Missouri SkillsUSA Championships Technical Standards.
3. Supervise the selection of the skills to be tested in the state contest and identify necessary equipment and supplies. Make arrangements for borrowing and/or soliciting donations of all items.
4. Supervise the development of contest projects, drawings and instruction sheets for the contestants.
5. Locate individuals who are knowledgeable in your contest trade or skill area and invite them to serve as judges. (Reminder: Send thank-you letters to the judges after the contest.)
6. Plan the layout of the contest site. Identify needs and/or services such as water, electricity and compressed air.
7. Make arrangements for acquiring appropriate industry awards.
8. Plan and conduct the mandatory pre-contest orientation meeting.
9. Instruct contest judges
10. Conduct the Missouri SkillsUSA Championships.

Pre-contest Orientation Meeting

The pre-contest orientation meeting is mandatory for all Missouri SkillsUSA Championships participants. The purpose of this meeting is to review the following items with all contestants.

1. Contestants' Credentials:
 - a. Verify each contestant's name and number as they appear on the nametag with the master list of contestants and the contestant registration forms.
 - b. Identify contestants who are participating in two or more events. Assist them in coordinating their schedules to avoid any conflicts.
2. Contest Rules: Check to be certain that all contestants are familiar with the contest rules and have been notified of any relevant information in the State Conference Memo "update."
3. Contest Procedures: Explain the way in which the contest will be run, including schedule, procedure for time in / time out, rating criteria, procedure for breaking ties and method of dealing with problems.
4. Safety Regulations: Review general and specific safety requirements and procedures for the contest.
5. Tools and Materials: Go over the list of tools and materials that are to be supplied by the contestants. Include any additional items mentioned in the "update." If contestants do not have all the required items, be sure they understand that they must obtain them before the contest begins.
6. Workstations / Order of Performance: If workstations are not identical, make sure contestants draw numbers for assignments. In contests where the order of performance is important, the procedure for determining the order should be explained.
7. Equipment: Take time to explain the operation of equipment with which contestants may not be familiar, including safety features. If possible, allow contestants time to become familiar with the equipment
8. Special Announcements: Detail any special functions that the committee has planned; explain special transportation or time schedules; announce industry awards; announce that contestants are not permitted to smoke during the contest. (Note: Missouri SkillsUSA requests that all Missouri SkillsUSA Championships committee and contest personnel refrain from smoking and/or consuming alcoholic beverages in the presence of SkillsUSA members or advisors.)

9. Contestants' Questions: Encourage contestants to ask any questions that they may have about the Missouri SkillsUSA Championships. Try to give satisfactory answers before the close of the pre-contest orientation meeting.
10. Contestant Penalties: There may be special circumstances that prevent a competitor from attending the pre-contest meeting (e.g. illness, accidents, or transportation). Please do not disqualify a competitor without first consulting the Missouri SkillsUSA Headquarters Office.

Conducting

The SkillsUSA Championships

1. Check all contest area facilities prior to the day of the contest to be certain that everything is in place and in order for a smooth-running competition.
2. Assemble all judges at the contest site prior to the start of the contest for a briefing. Be sure that all questions are answered and that the rating procedures are clear. The judges should identify from the contest problem and the contest rating sheet, a critical skill or item to be evaluated which would be an appropriate tie-breaking item.
3. Check to be certain that all contestants have brought the tools and materials required for the competition. The technical committee may, at its option, furnish any required items that contestants have failed to bring; however, a 2- point penalty must be assessed for each missing item.
4. Make sure that all contestants meet clothing requirements for the contest. (See the Missouri SkillsUSA Clothing Requirements Sheet.) The penalty for those who do not satisfy dress requirements will be 1 to 5 percent of the total possible contest points. The designated senior district advisor in cooperation with the contest chairperson will assess clothing penalties in all skill contests. Missouri SkillsUSA Championships Technical Committees will assess clothing penalties for all leadership contests, action skills and job skill demonstration A & B.
5. Make sure that all contestants receive copies of the project to be completed as well as any necessary drawings, instruction sheets or other materials. Be certain that contestants understand all instructions and have a chance to ask procedural questions. Take great care to see that all contestants have equal time and their questions are answered fairly.
6. Oversee the contest to ensure that safe work practices are followed.
7. Do not permit contestants to enter the contest site at any time unless they are displaying their contestant badges and numbers.
8. Do not permit contestants to smoke during the contest.
9. Conduct a critiquing session with the contestants after the contest to point out general strengths and weaknesses and the quality of work expected by the judges.
10. Verify all judges' rating sheets and submit to the Missouri SkillsUSA Headquarters.
11. Complete the chairperson's final report and return it to Missouri SkillsUSA Headquarters following the contest.
12. Keep the results of the contest confidential until the announcement of the winners at the awards ceremony.
13. Organize and supervise the teardown of the contest area and be certain that equipment, tools and supplies are returned to the proper owners.

Instructions to Contest Judges

1. Judges must be completely familiar with the Missouri SkillsUSA Championships Technical Standards, particularly the General Regulations, Instructions to Technical Committee Chairs, and the specific rules of the contest they have been asked to judge.
2. Judges should receive copies of the contest project and judges' rating sheet(s), along with complete instructions from the technical committee chairperson prior to the competition.
3. Members of the Missouri SkillsUSA Championships Technical Committee may not serve as judges unless approved by the Missouri SkillsUSA State Contest Coordinator or the Missouri State SkillsUSA–VICA Director.
4. Judges must give careful attention to each rule, and each contestant or entry must be judged in exactly the same manner and under the same conditions as every other contestant or entry.
5. Judges will meet prior to the Missouri SkillsUSA Championships, at a time and place announced by the Missouri SkillsUSA Championships technical committee chairperson, to confer on
 - a. Rule meanings and interpretations
 - b. Room arrangements
 - c. Materials and equipment
 - d. Last-minute details
6. Judges will evaluate the performance of each contestant according to the criteria listed in each contest. The Missouri State SkillsUSA Director, must approve any changes in the rating sheets' criteria.
7. Judges will report to the contest site prior to the start of the SkillsUSA Championships and will be present throughout the competition. The Missouri SkillsUSA State Contest Coordinator or the Missouri State SkillsUSA–VICA Director, must approve all exceptions.
8. Judges will identify contestants by number only. Judges will not use contestants' names, schools or states unless otherwise specified in individual contest rules.
9. Judges will not attend the pre-contest orientation meeting held prior to the opening of the Missouri SkillsUSA Championships. Only members of the technical committee may instruct the contestants and verify attendance.
10. Judges are selected because of their recognized expertise in the trade or skill that they are being asked to judge and are asked to follow the official SkillsUSA rules without inserting personal opinion. Such things as length of hair, length of dress and style of shoe, unless specifically covered in the contest regulations, are not to be considered by the judges except where safety is considered.
11. In no instance are judges or contest chairs authorized to change the contest rules. If an interpretation is required, the chairperson should contact the Missouri SkillsUSA State Contest Coordinator or the Missouri State SkillsUSA Director.
12. Judges are to evaluate all items related to safety. Contestants not meeting safety requirements in clothing and/or devices may be disqualified from competition if, in the judges' opinions, the safety of the contestants or those around them is endangered.
13. Judges should rate contestants on the basis of entry-level job skills.
14. Judges should rate each contestant independently and not compare rating sheets with those of other judges.
15. In contests where there are five or less contestants, judges should rate participants against a standard of performance rather than automatically awarding first-, second- and third-place awards. In other words, it is not necessary to select a third-place or second-place winner if the judges feel the standard of performance is not high enough.
16. After the judging is completed, judges should total their own rating sheets and return them, along with any notes and other pertinent information, to the contest technical committee chairperson.
17. The judges and technical committee members will keep all results confidential until the general announcement of winners is made at the awards ceremony. Under no circumstances may the judges discuss contest results with contestants or chapter advisors.
18. Judges should refer all contest inquiries or problems that arise to the Missouri SkillsUSA State Contest Coordinator or the Missouri State SkillsUSA Director.
19. The contest technical committee chairperson will validate the judges rating sheets, compile the total scores and deliver the results to Missouri SkillsUSA Headquarters.

Missouri SkillsUSA Championships

The following contests may be offered for competition on the state levels if the requirements are met. This section gives a brief description of each contest. The National Technical Standards will be followed as close as possible at the state level for the contest offered at the Nationals. The standards for the Missouri Only contest are at the end of this unit.

The contests are broken down into four groups; Skills, Leadership, Occupational Related and Written Technical Information. A student may enter three contests on the state level if the schedule permits; but only one from each group. The National SkillsUSA Classification is used to break the contest into groups.

Skills Contests

3-D Visualization and Animation

Mimics the real world production environment where creative output must be accomplished within specific timeframes, resources and design constraints. This is a two-person team event. Contestants must produce high quality images and an animated short subject using 3D computerized images. Students are tested on their technical knowledge, production skills and creative/artistic abilities, take a preliminary written exam and do storyboarding (visual planning).

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of 3-D visualization and animation.

Eligibility: Open to active SkillsUSA members enrolled in programs utilizing 3-D imaging and animation as an occupational objective.

Action Skills

A five-to seven-minute demonstration of an occupational skill in an area in which a student is training. Contestants use examples, experiments, displays or practical operations to clearly explain their skills using contestant-prepared visual aids.

Purpose: To evaluate each contestant's ability to demonstrate and explain an entry-level skill used in the occupational area for which he or she is training.

Eligibility: Open to active SkillsUSA members enrolled in career and technical programs with entry-level job skills as the occupational objective. A letter from the appropriate school official stating that the contestant is classified under the provisions of *Public Law 105-17, Individuals with Disabilities Education Act, 1997* is required for participation. State associations having restrictions on the release of this information may submit a letter of eligibility which simply states: "I certify that (student name) meets the eligibility requirements for the SkillsUSA Championships Action Skills contest. Signed (school official)."

Advertising Design

Tests technical skills and creative aptitude just as though contestants worked for an ad agency. Competitors produce a mechanical/color separation using traditional manual skills of measuring, inking, cutting amber, color registration, photo scaling, type kerning and leading. They also produce a mechanical layout on the computer. The creative portion involves the application of creative thinking and development of a design problem. Layout, drawing and illustration are used.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of advertising design.

Eligibility: Open to active SkillsUSA members enrolled in programs with advertising design or commercial art as the occupational objective.

Architectural Drafting

Gives contestants a problem consisting of background information, building requirements, and a description of architectural drawings. Students must develop an appropriate plan, in four to five hours, from design notes and instructions. Judges look for correct solutions to the problem, line work, layout, and accuracy.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of architectural drafting.

Eligibility: Open to active SkillsUSA members enrolled in programs with architectural drafting as the occupational objective.

Audiovisual

Designed to promote the basic skills and knowledge required to function successfully as an audiovisual technician in the audiovisual systems integration industry. Students work in a team of three to install a working conference room audiovisual system. Following the completed assembly, the students demonstrate the system operations and explain the details of their work to the judges. Prior to building the system, the students complete a written exam.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of audiovisual technology.

Eligibility: Open to a team of three SkillsUSA members enrolled in programs with audiovisual technology as an occupational objective. All team members must be from the same school.

Automated Manufacturing Technology

A team contest for three students. The contest evaluates teams for employment in integrated manufacturing technology fields of computer aided drafting/design (CAD), computer aided manufacturing (CAM), and computer numerical controlled machining (CNC). CAD operators construct the part geometry; the CAM operator generates the tool paths; and the CNC operator sets up and machines the part.

Purpose: To evaluate each contestant's preparation for employment in automated manufacturing and the team approach to problem solving work environment. To recognize outstanding students for excellence and professionalism in the field of automated manufacturing technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with precision machining, automated manufacturing, or CAD/CAM or CNC as the occupational objective.

Automotive Service Technology

Includes ten hands-on tasks and a written test during a six-hour period. Hands-on task stations include: engine repair, brakes, transmission electrical service, and engine performance testing using the latest service scan tools. Contestants are also tested on their knowledge of automotive computers. A written test parallels the National Technician Certification test from the National Institute for Automotive Service Excellence (ASE) and is written and proctored by ASE representatives.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of automotive service technology.

Eligibility: Open to active SkillsUSA members enrolled in career and technical programs with automotive technician or automotive service technology as the occupational objective.

Aviation Maintenance Technology

Contestants perform 12 tasks that represent the types of maintenance they will handle in the aircraft industry. The contest scope is consistent with the airframe and power plant mechanics certification guide published by the Federal Aviation Administration. Aviation maintenance is the only maintenance profession certified by the federal government.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of aviation maintenance technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with aviation maintenance technology as the occupational objective.

Basic Health Care Skills (Secondary Only)

Tests contestant's beginning level of health occupations knowledge and skills of basic and fundamental health care. Contestant's skills are evaluated through hands-on demonstration, written examination, interviewing and presentation.

Purpose: To evaluate each contestant's beginning level of health occupation's knowledge and to recognize outstanding students for excellence and professionalism.

Eligibility: Open to students enrolled in any secondary health program and to active secondary SkillsUSA members enrolled in nonspecific health occupations programs designed to assist students in making a career choice.

Building Maintenance

For students entering custodial services. They are tested on floor care (stripping and buffing of resilient flooring), general office cleaning, carpet care (hot water extraction and bonnet methods), window cleaning, dispenser servicing, and equipment and chemical identification.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students in the field of building maintenance.

Eligibility: Open to active SkillsUSA members enrolled in career and technical programs with entry-level job skills as the occupational objective. A letter from the appropriate school official stating the contestant is classified under the provisions of Public Law 94/142, entitled "Education for Handicapped Children Act of 1975," is required for participation. State associations having restrictions on the release of this information, may submit a letter of eligibility that simply states: "I certify that (student name) meets the eligibility requirements for the SkillsUSA Championships Building Maintenance Contest. Signed (school official)."

Building Repair Technology (Missouri Only Contest)

Contestants will demonstrate their ability to perform tasks selected from the competencies determined by the Missouri SkillsUSA Championships Technical Committee.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of building repair and maintenance.

Eligibility: Open to active SkillsUSA members enrolled in programs with building maintenance as the occupational objective.

Cabinetmaking

Contestant will be given all necessary information by job sheets or prints of articles to be constructed. Contestants will use joinery techniques as specified. Contestants will demonstrate their ability to perform jobs or skills selected from the list of competencies determined by the SkillsUSA Championships technical committee.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of cabinetmaking and millwork.

Eligibility: Open to active SkillsUSA members enrolled in career and technical programs with cabinetmaking and millwork as the occupational objective.

Carpentry

Contestants must build and complete a project specifically designed to test overall carpentry skills including framing, exterior trim, and stair building. They are judged on accuracy, ability to read and interpret blueprints, workmanship, and the proper use of tools and equipment.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of residential and commercial carpentry.

Eligibility: Open to active SkillsUSA members enrolled in programs with carpentry as the occupational objective.

C-N-C Milling

An upper-level CNC (computer numerically controlled) programming and machining contest. Contestants receive a part, drawing and materials and are asked to write the computer program, set up the machine and produce the part with the use of CAD/CAM. Only the final part and safe working practices, not the CNC program, are evaluated.

Purpose: To evaluate each contestant's understanding of basic CNC machining and to recognize outstanding performance in the use of above-mentioned technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with precision machining, automated manufacturing or CNC as the occupational objective.

C-N-C Turning

An upper-level CNC (computer numerically controlled) programming and machining contest. Contestants receive a part, drawing and materials and are asked to write the computer program, set up the machine and produce the part with the use of CAD/CAM. Only the final part and safe working practices, not the CNC program, are evaluated.

Purpose: To evaluate each contestants understanding of basic CNC machining and to recognize outstanding performance in the use of above-mentioned technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with precision machining, automated manufacturing or CNC as the occupational objective.

Collision Repair Technology

Requires contestants to: analyze structural damage and prepare repair estimates; align body and frame; conduct plastic identification and repair; metal working including MIG welding; paint using new paint systems; and, pass a written test. Contestants are judged on the overall appearance of the finished product, speed and proper safety practices.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of collision repair technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with collision repair technology as the occupational objective.

Commercial Baking

Challenges contestants to meet production and quality standards expected by industry. Students must scale, mix, prepare and bake six products (including breads, rolls, Danish, cookies and pies) and demonstrate cake-decorating skills. They must deliver a quality, salable product while working efficiently and under job-like conditions.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the commercial baking field.

Eligibility: Open to active SkillsUSA members enrolled in programs with commercial baking/pastry arts as the occupational objective.

Commercial Sewing (Missouri Only)

This Contest is offered for students in an industrial sewing class.

Purpose: To evaluate each contestant's preparation for employment into the sewing industry and to recognize outstanding students for excellence and professionalism in the sewing industry.

Eligibility: Open to active SkillsUSA members enrolled in programs with commercial sewing as the occupational objective.

Computer Maintenance Technology

Consistent with the industry standards as outlined by the Computer Technology Industry Association (CompTIA) A+ Certification. Contestants take a computer-based exam of 75 to 100 questions. They also troubleshoot both hardware and software problems in a series of six workstations, and install and configure hardware. Software problems relate to DOS and Windows operating systems. Some of the workstations require interaction between contestants and judges including demonstration of customer service. Contestants are evaluated on their speed, diagnostic and standard industry procedures, accuracy of adjustments and correct component replacements.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of computer maintenance technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with computer maintenance technology, electronic product servicing, or electronics technology as the occupational objectives.

Computer Programming (Missouri Only)

Contestants will be given a computer-programming problem consisting of background information and program specification with accompanying reference material and description of program output requirements. Contestants will develop an appropriate (successfully executable) computer program from design notes and instructions.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of computer programming.

Eligibility: Open to active SkillsUSA members enrolled in programs with computer programming as the occupational objective.

Cosmetology

Competitors will demonstrate skills in ladies and men's haircutting and styling. They will create consumer fashion statements on mannequins as well as live models. The contest also includes oral communication assessments focusing on customer service, telephone skills, and platform

presentation. Each competitor will present their designs to the audience and judges during the highlight of the event, the Grand Finale Fashion Parade at the end of the day on Thursday. (Note: Only postsecondary students will demonstrate men's cuts and styles on mannequins and will not use live models; secondary students will not demonstrate men's cuts and styles and will use live models.).

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of cosmetology.

Eligibility: Open to active SkillsUSA members enrolled in programs with cosmetology as the occupational objective.

Criminal Justice

For students preparing to be police officers or to work in other areas of criminal justice. Typically this contest will utilize both written examination and practical exercises to evaluate the contestants' abilities and knowledge of the field. The contestants are scored on their knowledge and application of U.S. Constitutional Law, written and verbal communications skills, and their ability to handle an entry-level law enforcement position.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of law enforcement and/or public security.

Eligibility: Open to active SkillsUSA members enrolled in programs with law enforcement and/or public security as the occupational objective.

Culinary Arts

A six-hour competition, encompassing both hot and cold food preparation and presentation. Contestants are rated on their technical culinary skills, sanitation and food safety techniques, and above all, the quality of their prepared items, particularly their creative presentation.

Purpose: To evaluate each contestant's preparation for employment in the food service industry and to recognize outstanding students for excellence and professionalism in culinary arts.

Eligibility: Open to active SkillsUSA members enrolled in programs with culinary arts or commercial food trades as the occupational objective.

Dental Assisting

The contest will consist of simulated dental office situations and demonstrations. Contestants will demonstrate their ability to perform the procedures specified in the Accreditation Standards for Dental Assisting Education Programs of the Commission on Dental Accreditation.

Contestants will be rated on personal appearance, the degree of work skills and speed used in the performance of the assigned task. The use of safety measures and the degree of effective personal interaction with the patient will also be rated when appropriate.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of dental assisting.

Eligibility: Open to active SkillsUSA members enrolled in programs with dental assisting as the occupational objective.

Diesel Equipment Technology

Contestants cycle through fourteen stations testing: basic engines; troubleshooting engines; electrical-electronics; chassis; transmissions; carriers; hydraulic systems; vehicle inspection; fundamental failure analysis; brake systems; air-conditioning; general shop skills; job interview skills; and a written test.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of diesel equipment technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with diesel equipment technology as the occupational objective.

Electronics Applications

Consists of three sections. The first requires contestants to logically troubleshoot functional building blocks of electronics systems, using modern test equipment on audio systems, power supplies, microprocessors, digital technology and video systems. The second evaluates soldering and de-soldering skills, workmanship and assembly techniques in constructing an electronics project. The third part is a written exam on safety procedures, electronic devices and electronics concepts.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of electronics applications.

Eligibility: Open to active SkillsUSA members enrolled in programs with electronics applications and fault finding as the occupational objective.

Electronics Technology

A six-hour contest divided into four sections testing contestants' knowledge of: analog and digital circuitry; ability to troubleshoot electronic circuits; ability to construct and test experimental circuits; to design and select circuit components; and to assemble an electronic circuit. All aspects of the competition test contestants' abilities to use and calibrate electronic equipment, record and organize data, and demonstrate proper safety practices.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of electronics technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with industrial electronics or electronics technology as the occupational objective.

Food & Service Beverage

Contestants are tested on skills required in the "front of the house" of a fine restaurant. The focus is on guest service and guest relations in the dining room including: table set up; greeting guests; reservations procedures; presentation of menus; description of food, drinks, soups and specials of the day; taking orders; serving each course and clearing the table after each course; and preparation and presentation of the check and closing remarks. Contestants are judged on personal appearance, tableside manner, professionalism, ease with guests, courtesy, general knowledge and technical and verbal skills.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in food and beverage hospitality service.

Eligibility: Open to active SkillsUSA members enrolled in programs that include food and beverage service as a part of their instruction and occupational objective.

Graphic Communications

Contestants will produce a printable page using a computer and page layout software. Each will be required to run two jobs on a Heidelberg Press, setup the duplicator, preparation of inks and moisture units, paper path adjustments and other adjustments as necessary. These could be one and/or two color jobs. Contestants will be required to do some production planning laying out jobs and planning them through the production cycle. Contestants will be required to

produce a job through digital workflow to make CTP plates and/or proofs. In the finishing area, contestants will be required to setup and fold at least one small job on a folder.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of graphic communications.

Eligibility: Open to active SkillsUSA members enrolled in programs with graphic communications as the occupational objective.

Health Knowledge Bowl

Tests teams of four students on their collective knowledge of health occupations. Teams are judged on speed and accuracy answering questions in six categories containing over 1,000 questions: (1) health occupations skills—nurse assisting, medical assisting, dental assisting, lab and diagnostic procedures, pharmacology, first aid and CPR; (2) applied health sciences— anatomy and physiology and nutrition; (3) applied communications—medical terminology; (4) applied mathematics; (5) leadership and professional knowledge—SkillsUSA employability skills and legal/ethical/historical perspectives; and, (6) current events.

Purpose: To test the knowledge of a team of contestants preparing for employment in the health occupations field and to recognize outstanding students for excellence and professionalism.

Eligibility: Open to SkillsUSA members enrolled in a program with a health career as the occupational objective. A team is comprised of four registered members each. The team may perform with three members without penalty in the event a member fails to show up or is forced to withdraw within five days of the competition.

Health Occupations Professional Portfolio

Recognizes students for successful development of employment portfolios and evaluates contestants on their ability to present themselves to employers using their portfolios and effective communication skills. Contestants are judged on their portfolios and on their five- to seven-minute oral presentations.

Purpose: To recognize students for their successful development of a professional portfolio and to evaluate the ability of an individual to present himself or herself to an employer using effective communication skills.

Eligibility: Open to active SkillsUSA members enrolled in a health occupations program.

Heating, Air Condition, Ventilation & Refrigeration

Contestants are tested on their ability to perform such jobs as troubleshooting then recommending service and repair, brazing, air measurement and troubleshooting, electrical troubleshooting, and refrigerant recovery. They are judged on the basis of their use of tools and test equipment, speed, accuracy, and safety.

Purpose: To evaluate contestants' preparation for employment and recognize outstanding students for excellence and professionalism in heating, ventilation, air conditioning and refrigeration.

Eligibility: Open to active SkillsUSA members enrolled in programs with heating, ventilation, air conditioning and refrigeration as the occupational objective.

Industrial Motor Control

Requires contestants to install electrical wiring for industrial motor controls and other devices used in an industrial setting; design and troubleshoot electrical diagrams using the proper test

instruments; and, demonstrate the proper and safe use of hand tools. All of the work must conform to the specifications of the National Electrical Code.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of industrial motor controls

Eligibility: Open to active SkillsUSA members enrolled in programs with industrial motor control as the occupational objective.

Internetworking

Includes a written exam and a hands-on evaluation. The hands-on portion tests students' abilities to design, install, and maintain computer Internetworks. Given a set of networking equipment (cable, hubs, routers, etc.), students must—in a fixed amount of time—install a network on which Internet applications run. The written test questions are taken from several general internetworking topic areas.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of internetworking.

Eligibility: Open to all active SkillsUSA members enrolled in a computer networking training program.

Job Skill Demonstration A

Contestants demonstrate and explain an entry-level skill used in the occupational area for which they are training. Competitors in Job Skill A must demonstrate a career objective in an occupational area that is included in one of the contest areas of the SkillsUSA Championships.

Purpose: To evaluate each contestant's ability to demonstrate and explain an entry-level skill used in the occupational area for which he or she is training.

Eligibility: Open to active SkillsUSA members enrolled in career and technical programs with career objectives that are included in the annual SkillsUSA Championships.

The "A" classification is based on the vocational enrollment and career objective of the contestant. It is not based on the specific skills to be demonstrated.

Job Skill Demonstration B

Contestants demonstrate and explain an entry-level skill used in the occupational area for which they are training. Contestants in Job Skill B may demonstrate skills in any career objective for which they are training.

Purpose: To evaluate each contestant's ability to demonstrate and explain an entry-level skill used in the occupational area for which he or she is training.

Eligibility: Open to active SkillsUSA members enrolled in career and technical programs with career objectives that are **not** included in the annual SkillsUSA Championships.

The "B" classification is open only to those contestants who are enrolled in other programs. The classification is based on the vocational enrollment and career objective of the contestant. It is not based on the specific skills to be demonstrated.

Marine Service Technology

Contestants cycle through workstations covering basic service, repair, and overhaul of 4-stroke and 2-stroke cycle marine engines and outboard motors. Knowledge of electrical systems, fuel systems, power transfer systems, ignition systems, cooling systems, lubrication systems, drive systems, boat and trailer rigging, and service and repair of accessories is demonstrated. There is a written exam. Contestants are judged on accuracy, workmanship, safety practices and speed.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of marine service technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with marine service technology as an occupational objective.

Masonry

Requires the building of a brick and concrete masonry units. The freestanding work employs various bonds and material positions and uses design features universally used in contemporary and historical masonry including piers, masonry bonds, rowlocks and foundations. Contestants are judged on aspects vital to wall performance including level, plumb, full mortar joints, and symmetric bonding. The competition also judges students on safety and whether their workmanship is neat and clean.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of masonry.

Eligibility: Open to active SkillsUSA members enrolled in programs with masonry or bricklaying as the occupational objective.

Mechatronics

Requires contestants to understand the new industrial discipline of "mechatronics," the ability to understand complex systems that integrate various elements in the mechanical, fluid power, and controls domain, combined with the ability to work in a team environment with people of different areas of expertise. Mechatronic specialists must therefore have well development skills in pneumatic technology, electrical and electronics systems, mechanical systems and general automation techniques and practices, including systematic troubleshooting methods. This competition consists of three events designed to measure the skills required in the modern automated manufacturing environment. Contestants will be required to assemble, adjust and test an automated machine system, troubleshoot and repair a faulty machine system, and take a comprehensive written test. The contest elements have been designed to be as realistic as possible, closely resembling the tasks and activities of modern automation professionals.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of mechatronics.

Mechatronics is a career and educational discipline that combines the industrial skills of mechanics, electronics and computer-based controls with a team-oriented approach to problem solving. Skilled mechatronic technicians are required for the maintenance, repair and operation of modern automated manufacturing systems.

Eligibility: Open to active SkillsUSA members enrolled in mechatronics technology programs as the occupational objective. Where this program is not yet available, students may compete if they are enrolled in industrial maintenance technology, industrial electricity, fluid power technology or programmable controls (PLC) technology programs.

Motorcycle Service Technology

Contestants perform numerous tasks representative of those encountered in a dealership's service department. The skills needed to win include clean and organized work habits; correct use of reference materials; the ability to follow directions; and good technical skills. Technical skills include performing scheduled maintenance or service on Yamaha, Harley-Davidson, or Buell motorcycles. Skills tested may include using service and parts manuals/microfiche, servicing brake, chassis/suspension, fuel, drive, electrical, and engine systems; and, using electrical testing and precision measuring tools.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of motorcycle service technology.

Eligibility: Open to active SkillsUSA members enrolled in vocational programs that include motorcycle service technology as an occupational objective.

Nail Care

Evaluates contestants' preparation for employment in the field of nail care. Contestants demonstrate their ability to perform jobs or skills including in their work area and on models including: initial preparation; product and tool control: tip and wrap application; sculptured application; cuticle and nail groove; shape and length; arch and C-curve; surface finish; lacquer/polish; wearable nail art application; overall results of workmanship and a written examination.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of nail care. polish, lacquers, paints and sealer.

Eligibility: Open to active SkillsUSA members enrolled in programs with cosmetology/nail care as the occupational objective.

Nail Care Model

Serves as a model for the Nail Care Contestant. Can be anyone in the chapter except the Nail Care Instructor.

Nurse Assisting

Students demonstrate knowledge and skill in performing patient care procedures in nurse assisting, including CPR. These include the ability to use and identify equipment; manipulation of medical materials in taking blood pressure, temperature, pulse, respiration, height, and weight; testing urine for sugar and acetone; and applying acuwrap to an ankle.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of nurse assisting.

Eligibility: Open to active SkillsUSA members enrolled in programs with nurse assisting as the occupational objective.

Photography

Contestants demonstrate their ability to use 35mm, medium- and large-format cameras, and digital imaging; professional studio light sources and equipment. Students perform on-site photography, outdoor portraiture, set up a basic three-light portrait array, process and print photos and submit two photographs in advance of the contest to be judged and displayed at the competition. Contestants are evaluated on their mastery of entry-level job skills.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of (still) photography.

Eligibility: Open to active SkillsUSA members enrolled in programs with photography as the occupational objective.

Plumbing

Contestants "rough-in" hot and cold water lines with copper to a water heater and the sanitary drainage waste and vent lines with cast iron and PVC plastic for a water closet, a lavatory and a washer box. Completed projects are pressure tested on the water pipes. Professional plumbers

and pipe fitters judge the contestants on the basis of accuracy, workmanship, proper selection and use of tools and supplies, and proper safety practices.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of residential plumbing.

Eligibility: Open to active SkillsUSA members enrolled in programs with residential plumbing as the occupational objective.

Power Equipment Technology

Tests contestants on troubleshooting two- and four-cycle engines installed on different types of equipment. Contestants are tested on failure analysis, warranty, and starter repair, and rated on overall knowledge of both the engines and the business aspects of the industry in eleven different testing stations.

Purpose: To evaluate each contestant's preparation for employment and recognize outstanding students for excellence and professionalism in engine and equipment diagnostics, overhaul and repair of both liquid and air-cooled engines and related power equipment.

Eligibility: Open to active SkillsUSA members enrolled in programs with small air-cooled engine repair or power equipment-related repair programs with that as its occupational objective.

Practical Nursing (Post-Secondary Only)

Contestants are judged on their knowledge of medical terminology, body structure and function, nutrition, medications and nursing care. They must also demonstrate their abilities to perform job skills such as: administration of oral, subcutaneous and nasogastric medications; physical assessment; insertion of a nasogastric tube; sterile dressing change, and cardiopulmonary resuscitation. At each workstation they are judged on accuracy of their skill, organization, communication, and safety.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of practical nursing.

Eligibility: Open to active SkillsUSA members enrolled in programs with practical nursing as the occupational objective.

Precision Machining Technology

Contestants will compete in the National Institute for Metalworking Skills (NIMS) Level I and II manual machining skills and knowledge areas including operation of manual milling machines, lathes, drill presses, and surface grinders. Contestant knowledge of CNC programming skills using a PC will be evaluated. Related knowledge and skill in the areas of engineering drawing interpretation, GD&T, technical math, machining practices, use of precision measuring hand tools and ability to speak using proper industry terminology are also part of the competition.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of precision machining technology.

Eligibility: Open to active SkillsUSA members enrolled in programs with precision machining technology as the occupational objective.

Preschool Teaching Assistant

Contestants are evaluated on their ability to plan and present appropriate activities for children between the ages of 3 and 5 relating to a specific theme and demonstrate general knowledge of quality childcare. Contestants are given materials readily available in a child-care facility to prepare their lesson plan and activity. Curriculum areas include food and nutrition, language arts, mathematics, music, science and social skills.

Purpose: To evaluate a contestant's ability to plan and present appropriate activities for preschool age children relating to a specific theme and demonstrate a general knowledge of quality child care.

Eligibility: Open to active SkillsUSA members enrolled in technical education programs with child care as the occupational objective.

Residential Wiring

Contestants are required to complete a written test, a practical conduit bending exercise and a hands-on installation and wiring exercise. Working from drawings and specifications sheets, contestants are required to install residential wiring and electrical devices. Judging is on the basis of general workmanship, accuracy of layout and installation, and adherence to the current national Electrical Code and standard industry safe practices.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of residential wiring.

Eligibility: Open to active SkillsUSA members enrolled in programs with residential wiring or electrical trades as the occupational objective.

Robotics and Automation Technology

Challenges two-person teams to demonstrate operation of an Intelitek ER-4U, 5-axis servo-robot along with a set of sensors and motorized devices to resolve a simulated production process problem. They demonstrate and set-up a robotic work cell from a word problem task. Contestants are required to create a flow chart and sequence of operation. Teams are judged on efficiency, speed and teamwork.

Purpose: To evaluate each contestant's preparation for employment in the emerging arena of robotics and automation with emphasis on the team approach to problem solving in a work environment. To recognize outstanding performance in the use of new work styles and technology by contestants.

Eligibility: Open to active SkillsUSA members enrolled in programs with robotics, automation and/or manufacturing as the occupational objective.

Sheet metal

Contestants in the sheet metal contest are tested on their ability to perform such jobs as connecting sheet metal pieces with drive cleats, spot welding and riveting. Skills tested may include straight duct, transition fitting and 45-degree entry tap fitting. Professional sheet metal workers judge contestants on the basis of use of hand tools, correctness of layout, and shop safety procedures.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of sheet metal.

Eligibility: Open to active SkillsUSA members enrolled in programs with sheet metal as the occupational objective

Technical Computer Applications

Tests students on installation, configuration and use of DOS, Windows 98/98/ME/XP Professional and Microsoft Office Professional (Outlook, Word, Excel, Access, Front Page,

Publisher and Money.) The contest includes a one-hour written exam, an oral presentation and hands-on skill demonstration.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of technical computer applications.

Eligibility: Open to active SkillsUSA members enrolled in programs with computer literacy as part or all of the occupational objective.

Technical Drafting

Contestants demonstrate their ability to create and produce drawings/data files that solve industry developed engineer design problems. Contestants must generate a solid model of a component from an engineered problem and produce drawings from an engineered assembly. A CAD system — of the contestant's choice — is used to generate all drawings

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of technical drafting.

Eligibility: Open to active SkillsUSA members enrolled in programs with technical drafting as the occupational objective.

Telecommunications Cabling

For students interested in voice and data network cabling and installation. It tests worldwide standards for data and voice connections, physical and logical networks and signal transmission. Contestants demonstrate skills in reading network design documentation, part list set up and purchase, pulling and mounting cable, choosing wiring closets, patch panel installation and termination, installing jacks and cable testing. The contest stresses safety and working effectively in group environments.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of telecommunications cabling.

Television (Video) Production

Teams of two contestants are required to shoot a one-minute VHS video on location to convey the "theme" of the event. Editing is done in the contest area with special emphasis on professional production of the video by industry standards, quality of audio and video, and adequate conveyance of the "theme" to the viewer.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of television/video production.

Eligibility: Open to active SkillsUSA members enrolled in career and technical programs with video production as the occupational objective.

Vinyl Sign Making (Missouri Only)

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of vinyl sign making.

Eligibility: Open to active Skills USA members enrolled in programs with computer graphics as the occupational objective.

Welding

Competitors receive contest drawings and a set of welding procedure specifications. All drawings, welding symbols, and welding terms conform to the latest edition of the American Welding Society standards. Through a series of stations, contestants are tested on various aspects of welding: measuring weld replicas, using weld measuring gauges; laying out a plate and using oxy-acetylene equipment to cut several holes that are checked for accuracy and quality; gas metal arc welding (GMAW) on steel making welds in various positions using short circuiting transfers; and, using a combination machine capable of providing the correct welding current for shielded metal arc (SMAW) and gas tungsten arc welding (GTAW). Competitors complete the steel project and weld an aluminum project in various positions using a variety of filler metals.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of welding.

Eligibility: Open to active SkillsUSA members enrolled in programs with welding as the occupational objective.

Leadership

American Spirit

A notebook contest documenting SkillsUSA chapters' community service and citizenship projects that demonstrate a belief in the American way of life and the purposes of SkillsUSA.

Purpose: To evaluate local chapter activities for community service, citizenship projects and those with patriotic overtones that demonstrate a belief in the American way of life.

Eligibility: Any chapter with an active charter is eligible to submit an entry. There will be no distinction between secondary or post-secondary divisions. Each district may submit only one entry.

Chapter Business

A team contest evaluating students' ability to conduct business meetings for a SkillsUSA chapter according to the order of business published in *Robert's Rules of Order—Newly Revised*.

Purpose: To evaluate a chapter's ability to conduct regular SkillsUSA business meetings according to the order of business published in these regulations and correct parliamentary procedure. The contest is based on the rules found in the latest edition of *Robert's Rules of Order, Newly Revised*.

Eligibility: Open to active SkillsUSA members. The team need not be composed of officers, but team members must be organized under one local charter in the same division. Each team will consist of six registered members. The team may perform with five members without penalty in the event that a member fails to show up or was forced to withdraw within five days of the competition. However, another team member will be expected to perform the motion of the missing team member.

Chapter Display

Selects the outstanding promotional exhibit designed and constructed by SkillsUSA student members. The display is built around and articulates a common theme established annually by SkillsUSA. The display must carry out the theme established by the national organization and announced by September 1 for the following school year. The display must be designed and constructed by students who were enrolled during the school year immediately preceding the National Leadership and Skills Conference. One student in official SkillsUSA attire shall be

prepared to participate in a presentation/ interview component in which the student will describe the display and relate how it conforms to the theme.

Purpose: To select the outstanding promotional display designed and constructed by SkillsUSA members. Students are encouraged to construct displays that are portable and inexpensively shipped so they may be widely used.

Eligibility: Two displays from each district may be entered in the state contest: one in secondary and one in post-secondary competition.

Community Service

Evaluates local chapter activities that benefit the community. SkillsUSA chapters present their best community service project for the year to a panel of judges. Contestants are evaluated on: (1) a notebook reporting the chapter's community service project and, (2) A live presentation by a chapter team of two to three members. The team may be a mix of secondary and postsecondary students.

Purpose: To evaluate local chapter activities that benefit the community and to recognize excellence and professionalism in the area of community service. This event also enables the community to become aware of the out-standing work being performed by career and technical education students.

Eligibility: Open to active SkillsUSA members. Chapters receiving at least 400 points from district judges may be entered in state competition. There will be no designation of secondary and post-secondary competition. The entire chapter is encouraged to participate in the community service project. A team of 2-3 members will represent the chapter in a live presentation, and this team may be made up of a mixture of secondary and post-secondary students, students from one class or from a combination of classes in an institution. All team members must be from the same school.

Courtesy Corps (Missouri Only)

Contestants should prepare for the courtesy corps contest by reading the rules and regulations in the Advisors Handbook.

Purpose: To evaluate contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the areas of courtesy, poise, communication, determination, problem solving, and volunteer service. Also, to establish a process of selecting the most qualified students to represent the state at the national Leadership and Skills Conference and SkillsUSA Championships.

Eligibility: Open to active SkillsUSA Members. Must not be entered in other contest that would interfere with competition in the SkillsUSA Courtesy Corps Award.

Extemporaneous Speaking

Requires contestants to give a three- to five-minute speech on an assigned topic with five minutes of advance preparation. Contestants enter the preparation area one at a time where they are given a speech topic. They are judged on voice, mechanics, platform deportment, organization and effectiveness

Purpose: To evaluate each contestant's ability to give a speech on an assigned topic with a minimum of advance preparation.

Eligibility: Open to active SkillsUSA members.

Job Interview

Divided into three phases: completion of employment applications; preliminary interviews with receptionist; and, in-depth interviews. Contestants are evaluated on their understanding of

employment procedures faced in applying for positions in the occupational areas for which they are training.

Purpose: To evaluate contestant's understanding of employment procedures they will face in applying for positions in the occupational areas for which they are training.

Eligibility: Open to active SkillsUSA members.

Leadership Essay (Missouri Only)

The essay topic and type of essay will be provided on the day of the contest. The topic will be chosen from the current SkillsUSA-VICA Leadership handbook, National Theme, employability skills or leadership skills.

Purpose: To evaluate each contestant's ability to write an essay on an assigned topic with a minimum of advance preparation and to recognize outstanding students for excellence and professionalism in essay writing skills.

Eligibility: Open to active SkillsUSA members.

Opening and Closing Ceremony

A teamwork and oral presentation contest that evaluates teams' understanding of the symbolic representation of the colors and assembled parts of the SkillsUSA-VICA emblem. Each team includes seven registered members in the roles of president, vice president, parliamentarian, reporter, treasurer, secretary and optional officer. The contest is a demonstration of the SkillsUSA Opening and Closing Ceremonies conducted according to the script and description as printed in these *SkillsUSA Championships Technical Standards*. No other method of performing the ceremony will be allowed for the purpose of the contest demonstration.

Purpose: To evaluate the contestants' understanding of the symbolic representation of the colors and assembled parts of the SkillsUSA-VICA emblem and to evaluate team-work and professional presentation skills. *SkillsUSA Championships Technical Standards* will be used in the contest.

Eligibility: Open to active SkillsUSA members. The team need not be composed of officers and team members may be from more than one section, but team members must be organized under one local charter and active members in the same division. Each team must consist of seven registered members in the roles of president, vice president, parliamentarian, reporter, treasurer, secretary and optional officer. The team may perform with six members without penalty in the event that a member fails to show up or was forced to withdraw within five days of the competition. Another officer will be assigned the missing part.

Outstanding Chapter

Evaluates local chapter activities that benefit the student members, the school, and the community. Outstanding chapters are chosen each year to serve as an example of the enthusiasm and careful planning necessary to keep chapters active and to involve as many members as possible in activities. A competing chapter organizes the year's activities and records them in an official SkillsUSA-VICA scrapbook.

Purpose: To evaluate local chapter activities benefiting the student members, the school and the community. The Outstanding Chapters chosen each year serve as an example of the enthusiasm and careful planning necessary to keep chapters active and to involve as many members in activities as possible.

Eligibility: All first place district winners may be entered in state competition. There is one secondary and one post-secondary competition per district.

Prepared Speech

Requires students to deliver a speech five to seven minutes in length on a common theme established by National SkillsUSA early in the school year. Contestants are evaluated on their ability to present thoughts relating to a central theme clearly and effectively, and on voice, mechanics, and platform deportment.

Purpose:

To evaluate each contestant's ability to prepare and present clearly and effectively a series of thoughts relating to a central theme.

Eligibility: Open to active SkillsUSA members.

Promotional Bulletin Board

The bulletin board must carry out a theme established by the SkillsUSA national office, but it may also include promotion of local SkillsUSA chapter activities or technical, skilled and service occupations, including health occupations. One student shall be prepared to participate in an interview component. The interview component will consist of two parts: a presentation and a question/answer session. The majority of the display materials used must be student prepared. The bulletin board must be the original and creative work of the individual chapter member or members.

Purpose: To encourage local SkillsUSA chapters to promote the organization, career and technical education and related occupational information through a promotional bulletin board.

Eligibility: Two bulletin boards from each district association may be entered in the contest, one in secondary and one in post-secondary competition.

SkillsUSA Leadership Information

One hundred (100) multiple choice questions will be provided from the following sources: SkillsUSA-VICA Leadership Handbook; Robert's Rules of Order, Newly revised, and SkillsUSA-VICA PDP levels one through four including the student workbook.

Purpose: To provide an opportunity to demonstrate success in acquiring knowledge of leadership skills, the philosophy, and beliefs of SkillsUSA.

Eligibility: Open to all active SkillsUSA members.

Quiz Bowl

Evaluates five-member teams on their knowledge of general academic subjects including basic mathematics, spelling, science, geography, history, and current events. Each team member also takes a 50 question written test. Quiz Bowl also covers SkillsUSA knowledge including the SkillsUSA-VICA Leadership Handbook, parliamentary procedure, and the Professional Development Program. Approximately 30 percent of the questions asked will be about professional development issues, 30 percent will be about current events, and 40 percent about general academic knowledge. All team members must take the written test to be eligible to participate with their team.

Purpose: **To test the knowledge of selected team members on various aspects of general academic knowledge, professional development (including, but not limited to: *SkillsUSA-VICA Leadership Handbook*, *Professional Development Program*, *Total Quality Curriculum* and *Robert's Rules of Order, Newly Revised*) and current events.**

Eligibility: Open to active SkillsUSA members currently enrolled in technical, skilled and service occupations, including health occupations. The team may perform with four members without penalty in the event a member fails to show up or is forced to withdraw within five days of the competition, as long as five members were originally registered and verified.

Occupational Related Contest

Customer Service

Evaluates students' proficiency in providing customer service. The contest involves live, role-playing situations. Contestants demonstrate their ability to perform customer service in both written and oral forms including telephone and computer skills, communications, problem solving, conflict resolution and business etiquette.

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of customer service.

Eligibility: Open to all active SkillsUSA members.

EMPLOYABILITY INFORMATION (Missouri only Contest)

Purpose: To provide an opportunity to demonstrate success in acquiring knowledge of the general employment information that is taught career education courses related to technology, the health industry, trades or industry.

Eligibility: Open to all SkillsUSA members

First Aid/CPR

Evaluates contestant's ability to perform procedures or take appropriate action based on six first aid scenarios including: adult, infant and child CPR; choking; bleeding; seizures; drowning; burns; head, neck or back injuries; dislocations and broken bones; eye injuries; diabetic emergencies; sprains, wound care, and heart attack. There is also a written exam. All skills are judged on nationally accepted standards identified by the American Red Cross for first aid emergencies and the American Heart Association for CPR.

Purpose: To evaluate each contestant's ability to react positively in simulated situations demanding first aid intervention and to recognize excellence and professionalism in the career and technical student's first aid skills.

Eligibility: Open to all active SkillsUSA members who meet the requirements as outlined below. Current CPR certification card from either the American Heart Association or American Red Cross and a current first aid certification card from either the American Red Cross or National Safety Council.

Principles of Technology

The Principles of Technology Contest is intended to emphasize and address the "hows" and "whys" of applied physics. It is not a "how-to-do" contest. This contest includes a written technical paper and an oral technical presentation of a technical concept(s). The contestants are expected to demonstrate a thorough knowledge of the subject matter and to present a clear explanation of the topic through the use of examples, experiments, displays or practical operations.

Purpose: To evaluate each contestants understanding of basic technical concepts/principles of the applied sciences and their ability to demonstrate and explain the concept/principle in action and application.

Eligibility: The contest is open to all active SkillsUSA members either presently enrolled in or having completed a course in Principles of Technology. Contestants may enter from any course of study skill area.

Related Technical Math

On a written test, contestants demonstrate skills required to solve mathematical problems commonly found in the skilled trades and professional and technical occupations. Skills demonstrated include addition, subtraction, multiplication and division of whole numbers, fractions and decimals; applied word problems; percentages; ratio proportions; averages; area; volume; metric measures and traditional (Imperial) measures and trigonometry.

Purpose: To evaluate the contestant's understanding and ability to solve mathematical problems commonly found in the skilled trades and professional and technical occupations.

Eligibility: Open to active SkillsUSA members.

TECHNICAL SPELLING (Missouri only Contest)

Purpose: This contest creates an awareness of the importance of correct spelling in the career education programs related to technology, the health industry, trades or industry. It provides an incentive for students to improve their spelling skills.

Eligibility: Open to all SkillsUSA members.

Written Technical Information Contest (Missouri Only)

These tests are technical related test with 20 questions about the Professional Development Program. Anyone that is taking a course of study in the technical area of the test may take that test.

Missouri SkillsUSA Contest ONLY

No National Contest available

Building Repair Technology (Missouri only Contest)

Purpose: To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of building repair and maintenance.

First, refer to General Regulations.

Clothing Requirements

Proper work pants, work shirt, leather work shoes, and safety glasses with side shields or goggles.

(Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.)

Eligibility: Open to active SkillsUSA–VICA members enrolled in programs with building maintenance as the occupational objective.

Safety Requirement

Both the instructor and the contestant certify by agreeing to enter this contest that the contestant has received instructions and has satisfactorily passed an examination on the safe use of the tools that are to be used in the contest. Contestants will be removed from the competition if they are using the equipment in an unsafe manner.

Equipment And Material:

1. Supplied by the technical committee:
 - a. Plumbing supplies
 - b. Electrical fixtures and wire
 - c. Window & glass
 - d. Building materials
 - e. Electrical supplies
2. Supplied by contestant:
 - a. Electrician's pliers
 - b. Needle nose pliers
 - c. Wire strippers
 - d. Measuring tape or folding rule
 - e. Tubing cutter
 - f. 10" adjustable wrench
 - g. Sharpened Pencils or ball point pens
 - h. Screw driver set (Phillips and Straight)
 - i. Channel lock pliers
 - j. Cutting knife
 - k. Hand glass cutter
 - l. Copper flaring tool
 - m. Romax stripper
 - n. Safety glasses

Scope of the Contest:

1. Contestants will demonstrate their ability to perform tasks selected from the following list of competencies as determined by the Missouri SkillsUSA Championships Technical Committee which may include, but not limited to the following areas as they pertain to the field of building maintenance:
 - a. Glass repair or replacement
 - b. Plumbing
 - c. Environmental Control Systems
 - d. Interior & Exterior Carpentry
 - e. Exterior & Interior Finishing
 - f. Electrical
 - g. Grounds care and maintenance
 - h. Concrete & Masonry
2. Each contestant must be scored from 5 to 25 points on the manual skills examination. There will be no zeros. Each Contestant must be scored in all categories. To have 25 points in speed, a contestant must have the fastest time in a particular task.
3. All wiring must be done in accordance with "The National Electrical Code".
4. When a contestant finishes electrical tasks and the judges have checked the work, they will disconnect all wiring including the removal of switches and porcelain ceiling fixtures.
5. Written Test: Each question must have 100% correct answer or no credit will be given. No score will be given for partial answer.
6. Time limits will be established on the contest technical sheets.

Note: No national competition is available for this event.

BUILDING REPAIR TECHNOLOGY RATING SHEET

[illegible]

COMPUTER PROGRAMMING

(Missouri only Contest)

Purpose

To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of computer programming.

First, refer to General Regulations.

Clothing Requirements

For women: Business like attire or business like blouse and skirt or pants with appropriate shoes.

For men: Oxford or Polo type shirt meeting the requirements of Missouri SkillsUSA–VICA Attire, well-kept work pants and with appropriate shoes.

Clothing must be appropriate to the occupation, clean, and neat in appearance.

Eligibility

Open to active SkillsUSA members enrolled in programs with computer programming as the occupational objective.

Equipment and Materials

1. Supplied by the technical committee:
 - a. Flowchart paper
 - b. Ruled pad of paper
 - c. Flowcharting template
2. Supplied by the contestant:

The Contestant may bring only 1 copy of the coding reference manual of the language in which they will code the program.

 - a. Ballpoint pens or Sharpened Pencils
 - b. Blank notebook paper

Scope of the Contest:

1. Contestants will be given a computer-programming problem consisting of background information and program specification with accompanying reference material and description of program output requirements.
2. Contestants will develop an appropriate (successfully executable) computer program from design notes and instructions.
3. The programming document requirements may include, but are not limited to, the following:
 - a. Program module hierarchy diagram
 - b. Structured flow chart for each module in program
 - c. Each program module coded in Pseudo-English.

Note: No national competition is available for this event.

COMPUTER PROGRAMMING RATING SHEET

[illegible]

COURTESY CORPS AWARD

(Missouri only Contest)

Purpose

To evaluate contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the areas of courtesy, poise, communication, determination, problem solving, and volunteer service. Also, to establish a process of selecting the most qualified students to represent the state at the National Leadership and Skills Conference and SkillsUSA Championships.

First, refer to General Regulations

Clothing Requirements

Polo or Tee shirt meeting the requirements of Missouri SkillsUSA–VICA Attire, well kept work pants and work shoes or work clothing appropriate to their occupational objective that is comfortable, clean, and neat in appearance.

Eligibility

Open to active SkillsUSA members. Must not be entered in any other contest that would interfere with competition in the SkillsUSA Courtesy Corps Award. Be available to attend the National Leadership and Skills Conference and SkillsUSA Championships in Kansas City, MO during the last week of June (according to the National Leadership and Skills Conference schedule) from Sunday noon through the following Saturday.

Equipment and Materials

1. Supplied by the technical committee:
 - a. Job sheets.
 - b. Job Scenarios - tasks to be completed that relate to typical assignments that are made to courtesy corps volunteers in setting-up and conducting the National Leadership and Skills Conference.
 - c. Pertinent information about the campus and the city of including contest sites, tourist information, restroom and first aid facilities and their locations, campus buildings, restaurants and police stations.
 - d. All necessary information and furnishings for the judges and technical committee.
2. Supplied by the Contestant:
 - a. Three Copies of the completed Application for National Courtesy Corps with all signatures except the state SkillsUSA director's section.
 - b. Three copies of the completed Missouri SkillsUSA MLSC1, registration, personal, and liability release form, with all requested signatures.
 - c. One letter of recommendation from each of the following who have personal knowledge of the qualities, skills and volunteer service of the student:
 - Local Chapter SkillsUSA Advisor.
 - Administrator of the local school district.
 - Community representative who is not related to the student.
 - d. Ballpoint pens or sharpened pencils and blank note taking paper.

Scope of the Contest

1. Contestants should prepare for the courtesy corps contest by developing the following abilities:
 - a. Answer questions and carry on a casual conversation.
 - b. Know the aspects of making positive first impressions.
 - c. Demonstrate a confident handshake, proper greeting and personal introduction.
 - d. Demonstrate confidence and positive personal image.
 - e. Pronounce words in a clear and understandable manner.
 - f. Effectively vary voice in pitch, tone, tempo, and volume.
 - g. Make a formal introduction.

- h. Demonstrate good listening skills and show sincere interest.
 - i. Demonstrate courtesy, tact, cooperation enthusiasm and leadership.
 - j. Demonstrate the ability to maintain a positive and helpful attitude while performing tasks assigned.
 - k. Demonstrate the ability to read and follow written instructions and to recall and follow verbal instructions.
 - l. Demonstrate the ability to be punctual and to stay on task.
 - m. Demonstrate the ability to accurately relay verbal information to unidentified individuals.
 - n. Demonstrate the ability to work in uncomfortable surroundings or with unfamiliar tools and equipment.
 - o. Demonstrate the ability to work with little or no supervision.
 - p. Demonstrate the ability to complete routine tasks and complete paperwork completely and legibly.
Demonstrate the ability work cooperatively with others as a team.
 - q. Demonstrate the ability to make suggestions for improving the process of completing tasks.
 - r. Demonstrate effective problem solving skills.
 - s. Demonstrate conflict resolution skills.
 - t. Demonstrate good grooming in dress with close attention to personal hygiene, fingernails, jewelry, and hairstyle.
- 2. Students must strictly observe all rules of the Missouri Code of Conduct, including the use of tobacco products; during the entire time they are attending the conference, i.e., from registration through the awards ceremony. Any violations may result in immediate disqualification.
 - 3. The contest will be divided into three phases:
 - a. Pre-contest meeting.
 - b. Interviewing and written evaluation.
 - c. Scenario Job Assignments.
 - 4. All paperwork must be turned at the pre-contest meeting and students should be prepared to take directions for the activities to follow.
 - 5. Interviews will take place on the first full day of state competition.
 - 6. Contestants are to attend all meetings assigned by the contest chair.
 - 7. Contestants are to pick-up and drop off job assignment sheets at the required times and obtain signatures as required.
 - 8. Contestant will complete all assignments given during competition.
 - 9. Job assignment scenarios will parallel the tasks that are completed by National Courtesy Corps members during the set-up, teardown, and operation of the SkillsUSA National Leadership and Skills Conference. Examples:
 - a. Deliver information or materials to a contest site or chairperson.
 - b. Provide directions to a specific location to a person who is in a hurry to get to that location.
 - c. Prevent persons from entering a secure area.
 - d. Escort a dignitary to designated location.
 - e. Assist an upset contest chair in finding misplaced materials in a holding area.

Note: No national competition for this event is available.

MISSOURI SKILLSUSA CHAMPIONSHIPS
COURTESY CORPS AWARD RATING SHEET

[illegible]

[illegible]

LEADERSHIP ESSAY

(Missouri only Contest)

Purpose

To evaluate each contestant's ability to write an essay on an assigned topic with a minimum of advance preparation and to recognize outstanding students for excellence and professionalism in essay writing skills.

First, refer to General Regulations

Clothing Requirements

SkillsUSA blazer, sweater, or windbreaker and accompanying official SkillsUSA Attire.

Eligibility

Open to active SkillsUSA members.

Equipment and Materials

1. Supplied by the technical committee:
 - a. Tables and chairs.
 - b. Copies of the selected essay.
 - c. Clock and Time Cards as required.
 - d. All necessary information and furnishings for the judges and technical committee.
2. Supplied by the Contestant:
 - a. 8 1/2" X 11" Ruled writing paper.
 - b. Ballpoint pens or sharpened pencils.
 - c. Collegiate Dictionary and Thesaurus.
 - d. Current SkillsUSA–VICA Leadership Handbook.

Scope of Contest

1. The essay topic and type of essay will be provided on the day of the contest. The topic will be chosen from the current SkillsUSA–VICA Leadership Handbook, National Theme, employability skills or leadership skills. The type of essay will be one of the following:
 - a. Descriptive
 - b. Informative
 - c. Narrative
 - d. Persuasive
 - e. Problem-solution
 - f. Opinion
2. Essays must be written in longhand and cannot exceed 1000 words.
3. The writing time at the district level will consist of two hours and at the state level three hours.
4. The essay should include a title page that includes the following information:
 - a. The student's name.
 - b. The student's home.
 - c. School Name
 - d. Instructor's Name.
 - e. Title of the essay.
5. Prior to the judging, the contest chair will remove the title pages and identify the essays by contestant #.

Note: No national competition is available for this event.

LEADERSHIP ESSAY RATING SHEET

[illegible]

SkillsUSA LEADERSHIP INFORMATION

(Missouri only Contest)

Purpose

To provide an opportunity to demonstrate success in acquiring knowledge of leadership skills, the philosophy, and the beliefs of the SkillsUSA organization.

Clothing Requirements

SkillsUSA blazer, sweater, or windbreaker and accompanying official SkillsUSA Attire.

Eligibility

Open to all SkillsUSA members

Equipment and Materials

1. Supplied by the technical committee:
 - a. Tables and chairs.
 - b. Copies of the test booklets.
 - c. Machine scoring answer sheets matching the scoring machine to be used.
 - d. All necessary information and furnishing for the judges and technical committee.
2. Supplied by the Contestant:
 - a. 2 sharpened #2 lead pencils.

SCOPE OF CONTEST:

1. One Hundred (100) multiple choice questions will be provided from the following sources
 - A. SkillsUSA-VICA Leadership Handbook
 - B. Robert's Rules of Order, Newly Revised
 - C. SkillsUSA Professional Development Program levels one through four including the SkillsUSA Student Workbook.
2. The highest scores will determine 1st, 2nd and 3rd place winners for both District and State.
3. Ties will be awarded at the state level.
4. No study guide will be available for this contest.

Note: No national competition is available for this event

EMPLOYABILITY INFORMATION

(Missouri only Contest)

Purpose

To provide an opportunity to demonstrate success in acquiring knowledge of the general employment information that is taught career education courses related to technology, the health industry, trades or industry.

Clothing Requirements

For women: Business like attire or business like blouse and skirt or pants with appropriate shoes.

For men: Oxford or Polo type shirt meeting the requirements of Missouri SkillsUSA Attire, well-kept work pants and with appropriate shoes. Clothing must be appropriate to the occupation, clean, and neat in appearance.

Eligibility

Open to all SkillsUSA members

Equipment and Materials

1. Supplied by the technical committee:
 - a. Tables and chairs.
 - b. Copies of the test booklets.
 - c. Machine scoring answer sheets matching the scoring machine to be used.
 - d. All necessary information and furnishings for the judges and technical committee.
2. Supplied by the Contestant:
 - a. 2 sharpened #2 lead pencils.

SCOPE OF CONTEST:

1. Fifty (50) true or false questions and fifty (50) multiple-choice questions will be provided from assignments in the SkillsUSA Professional Development Program levels one through four.
Note: Questions from the SkillsUSA Student Workbook will not be included.
2. The highest scores will determine 1st, 2nd, and 3rd place winners for both District and State.
3. Ties will be awarded at the district level and will advance to State Competition.
4. Ties will be awarded at the state level.

Note: **No national competition is available for this event.**

TECHNICAL INFORMATION CONTESTS

(Missouri only Contests)

Purpose

To evaluate each contestant's technical knowledge acquired through individual study in career education programs in preparation for employment. To recognize outstanding students for excellence and professionalism in the chosen fields listed below.

Technical Career Areas Offered

Advertising Design	Food & Beverage Service
Air-cooled Gas Engines	Graphic Communications
Architectural Drafting	Heating, Ventilation, Air Conditioning & Refrigeration
Automotive Service Technology	Industrial Motor Control
Building Repair technology	Marine Service Technology
Cabinetmaking	Microcomputer Repair
Carpentry	Nurse Assisting
Collision Repair Technology	Practical Nursing
Commercial Baking	Precision Machining
Computer Programming Technology	Preschool Teaching Assistance
Cosmetology	Residential Plumbing
Culinary Arts	Residential Wiring
Dental Assisting	Robotics & Automation Technology
Diesel Equipment Technology	Technical Drafting
Electronics Technology	Welding

Clothing Requirements

For women: Business like attire or business like blouse and skirt or pants with appropriate shoes.

For men: Oxford, Polo or T-shirt type shirts meeting the requirements of Missouri SkillsUSA–VICA Attire, well-kept work pants and with appropriate shoes. Clothing must be appropriate to the occupation, clean, and neat in appearance.

Eligibility

1. Open to all SkillsUSA members. Contestants must be enrolled in a program parallel to the contest. Students may only enter a contest that has competencies that are parallel to the competencies in the occupational education program in which they are enrolled.

Equipment and Materials

1. Supplied by the technical committee:
 - a. Tables and chairs.
 - b. Copies of the test booklets.
 - c. Machine scoring answer sheets matching the scoring machine to be used.
 - d. All necessary information and furnishings for the judges and technical committee.
2. Supplied by the Contestant:
 - a. 2 sharpened #2 lead pencils.

Scope of the Contest

1. Students will select one of the occupational skill areas listed.
2. The *National Occupational Competency Testing Institute*, Big Rapids Michigan will prepare the tests from the competencies listed for their student job ready occupational assessments. Summary sheets for each area listing major competencies, revision data, and a few example questions are available from <http://www.nocti.org/> or the Missouri State SkillsUSA Office upon written request.
3. Each contest shall be a 100-point Multiple-choice Test. The student shall complete an answer sheet as directed to indicate the correct answer.
4. The highest scores will determine 1st, 2nd, and 3rd place winners for both District and State.
5. Ties will be awarded at the district level and will advance to state competition.
6. Ties will be awarded at the state level.

TECHNICAL SPELLING

(Missouri only Contest)

Purpose

This contest creates an awareness of the importance of correct spelling in the career education programs related to technology, the health industry, trades or industry. It provides an incentive for students to improve their spelling skills.

Clothing Requirements

For women: Business like attire or business like blouse and skirt or pants with appropriate shoes.

For men: Oxford or Polo type shirt meeting the requirements of Missouri SkillsUSA, well-kept workpants and with appropriate shoes. Clothing must be appropriate to the occupation, clean, and neat in appearance.

Eligibility

Open to all SkillsUSA members

Equipment and Materials

1. Supplied by the technical committee:
 - a. Tables and chairs.
 - b. Copies of the test booklets.
 - c. Machine scoring answer sheets matching the scoring machine to be used.
 - d. All necessary information and furnishings for the judges and technical committee.
2. Supplied by the Contestant:
 - a. 2 sharpened #2 lead pencils.

SCOPE OF CONTEST:

1. The contest shall be a 100-point Multiple-choice Test. The student shall complete an answer sheet as directed to indicate the correctly spelled words. Some of the questions will include no correctly spelled words
2. The words are from the 1000 technical and occupational words provided with these contest regulations.
3. Students shall be allowed to study from the list of words.
4. The highest scores will determine 1st, 2nd, and 3rd place winners for both District and State.
5. Ties will be awarded at the district level and will advance to state competition.
6. Ties will be awarded at the state level.

Note: No national competition is available for this event.

Missouri SkillsUSA Spelling Words

Revised for 2004

- | | | |
|--------------------|--------------------|-------------------|
| 1. ABBREVIATION | 52. ALTITUDE | 103. AUTOMATIC |
| 2. ABDOMINAL | 53. ALUMINUM | 104. AUTOMOTIVE |
| 3. ABRASION | 54. AMATEUR | 105. AUTUMN |
| 4. ACADEMIC | 55. AMINO ACID | 106. AUXILIARY |
| 5. ACCELERATOR | 56. AMMETER | 107. AVALANCHE |
| 6. ACCESSIBLE | 57. AMPHIBIAN | 108. AVIATOR |
| 7. ACCESSORY | 58. ANALYSIS | 109. AVOIRDUPOIS |
| 8. ACCIDENTALLY | 59. ANALYZE | 110. AWKWARD |
| 9. ACCOMMODATION | 60. ANATOMY | 111. AXIS |
| 10. ACCORDION | 61. ANCHOR | 112. AXLE |
| 11. ACCOUNTANT | 62. ANNOUNCEMENTS | 113. AXONOMETRIC |
| 12. ACCUMULATE | 63. ANNUITY | 114. BABBITT |
| 13. ACCUMULATOR | 64. ANODE | 115. BACHELOR |
| 14. ACCURACY | 65. ANTENNA | 116. BACILLI |
| 15. ACETABULUM | 66. ANTIBIOTICS | 117. BAGGAGE |
| 16. ACETATE | 67. ANTISEPTIC | 118. BALCONY |
| 17. ACETYLENE | 68. ANXIOUS | 119. BALLOT |
| 18. ACHIEVE | 69. APIARY | 120. BALUSTER |
| 19. ACKNOWLEDGMENT | 70. APNEA | 121. BANKRUPTCY |
| 20. ACOUSTICAL | 71. APOLOGIZE | 122. BANQUET |
| 21. ACQUAINT | 72. APOSTROPHE | 123. BAROMETER |
| 22. ACRYLIC | 73. APPETIZERS | 124. BARRIER |
| 23. ADDITIVE | 74. APPLIANCE | 125. BASTE |
| 24. ADEQUATE | 75. APPROXIMATE | 126. BATTALION |
| 25. ADJUSTMENTS | 76. APTITUDE | 127. BEECH |
| 26. ADMINISTRATION | 77. ARCHITECT | 128. BEGINNING |
| 27. ADMITTANCE | 78. ARCHITECTURE | 129. BEHAVIOR |
| 28. ADOLESCENCE | 79. ARMATURE | 130. BENEFICIAL |
| 29. ADVANCE | 80. ARMATURE | 131. BENEVOLENT |
| 30. AERODYNAMICS | 81. ARRESTOR | 132. BERTH |
| 31. AERONAUTICS | 82. ARTISTRY | 133. BIAS |
| 32. AFFIANCE | 83. ASCENDER | 134. BIBLIOGRAPHY |
| 33. AFFIDAVIT | 84. ASEPSIS | 135. BIGOTED |
| 34. AFFILIATED | 85. ASPARAGUS | 136. BINARY |
| 35. AFFIRMATIVE | 86. ASPERSION | 137. BIOLOGY |
| 36. AGGRAVATE | 87. ASPHALT | 138. BITUMINOUS |
| 37. AILERONS | 88. ASSEMBLER | 139. BLUSTEROUS |
| 38. AISLE | 89. ASSEMBLY | 140. BOBBIN |
| 39. ALIGN | 90. ASSESSMENT | 141. BONDING |
| 40. ALIGNMENT | 91. ASSISTANCE | 142. BOOKKEEPER |
| 41. ALIGNMENT | 92. ASSUMPTION | 143. BOUILLON |
| 42. ALKALI | 93. ASTHMA | 144. BOUTONNIERE |
| 43. ALKYD | 94. ATHLETICS | 145. BREADTH |
| 44. ALLERGY | 95. ATMOSPHERIC | 146. BRIDGING |
| 45. ALLOY | 96. ATOMIZATION | 147. BROCCOLI |
| 46. ALOPECIA | 97. ATTENDANCE | 148. BRONCHIAL |
| 47. ALPHANUMERIC | 98. ATTORNEY | 149. BRONCHITIS |
| 48. ALREADY | 99. AUDITOR | 150. BULLION |
| 49. ALTERNATING | 100. AUTHENTICITY | 151. BUREAUS |
| 50. ALTERNATOR | 101. AUTHORITIES | 152. BUSINESS |
| 51. ALTIMETER | 102. AUTOBIOGRAPHY | 153. BUTTRESSES |

154. CABINETMAKING	206. COLLEAGUE	257. CORNICE
155. CAFETERIA	207. COLLET	258. CORPORATION
156. CAFFEINE	208. COLLISION	259. CORRAL
157. CALIPER	209. COLONEL	260. CORROSION
158. CALLUSED	210. COLUMN	261. CORROSIVE
159. CALORIE	211. COMBINATION	262. CORRUGATE
160. CAMBER	212. COMBINATION	263. CORRUGATION
161. CAMERA	SQUARE	264. CORTICAL
162. CAMERA	213. COMBUSTION	265. COUNTERFEIT
163. CAMPAIGN	214. COMMERCIAL	266. COURAGEOUS
164. CANCELLATION	215. COMMERCIALIZE	267. COURTESY
165. CAPACITY	216. COMMISSIONER	268. COWL
166. CARAT	217. COMMUNICATION	269. CRESCENT
167. CARBORUNDUM	218. COMMUNIST	270. CRIPPLE
168. CARBURETOR	219. COMMUNITY	271. CRITERIA
169. CARBURIZING	220. COMPENSATION	272. CRITICISM
170. CAREER	221. COMPILER	273. CROUTON
171. CARNIVOROUS	222. COMPOSITE	274. CRUCIBLE
172. CARRIAGE	223. COMPOUND	275. CRYSTALLINE
173. CASSEROLE	224. COMPREHENSIVE	276. CRYSTALLIZE
174. CATALYST	225. COMPRESSOR	277. CURIOSITY
175. CATASTROPHE	226. COMPUTER	278. CUTICLE
176. CATEGORY	227. COMPUTING	279. CYLINDER
177. CAULIFLOWER	228. CONCEALED	280. CYLINDRICAL
178. CAUSTIC	229. CONCENTRATE	281. CYLINDRICAL
179. CAUTION	230. CONCENTRATION	282. DADO
180. CAYENNE	231. CONCENTRIC	283. DARKROOM
181. CEILING	232. CONDENSATION	284. DATUM
182. CELESTIAL	233. CONDENSER	285. DEBUG
183. CELLOPHANE	234. CONDUCTOR	286. DECADE
184. CELLULAR	235. CONDUIT	287. DECLINATION
185. CENSUS	236. CONFIGURATION	288. DECODER
186. CERAMIC	237. CONGENITAL	289. DEFERRED
187. CEREBELLUM	238. CONNECTION	290. DEFICIT
188. CHAMFER	239. CONNECTOR	291. DEHYDRATED
189. CHARACTER	240. CONNOISSEUR	292. DELIBERATELY
190. CHAUFFEUR	241. CONSTRUCTION	293. DELICATESSEN
191. CHEF	242. CONSULATE	294. DELICIOUS
192. CHIMNEY	243. CONTEMPORARY	295. DELINQUENT
193. CHLOROPHYLL	244. CONTINUALLY	296. DEMAND
194. CHOCOLATE	245. CONTINUITY	297. DEMOCRATIC
195. CHOIR	246. CONTINUOUS	298. DEPRECIATION
196. CHROME	247. CONTOUR	299. DERMATOLOGY
197. CIRCUIT	248. CONTRARY	300. DESCENDANT
198. CITRUS	249. CONTRAST	301. DESCENDER
199. CLASSIFICATION	250. CONTROVERSY	302. DESICCATE
200. CLEAN FINISHING	251. CONVENIENT	303. DESIRABILITY
201. CLIENTELE	252. CONVERSION	304. DESSERT
202. CLIPPING	253. CO-OPERATIVE	305. DETAIL
203. CODING	254. COORDINATE	306. DETERGENT
204. COEFFICIENT	255. CORDUROY	307. DETERIORATE
205. COLLAR	256. CORNICE	308. DETONATION

309. DEVELOPING	361. EMBARRASS	413. FEBRUARY
310. DEVELOPMENT	362. EMBRYOLOGY	414. FERMENTATION
311. DIABETES	363. EMERGENCY	415. FEROCIOUS
312. DIAGNOSIS	364. EMOTIONALLY	416. FEUDALISM
313. DIAGONAL	365. EMPLOYEE	417. FIBERBOARD
314. DIAMETER	366. EMULSION	418. FILAMENT
315. DIESEL	367. ENAMEL	419. FILET
316. DIETITIAN	368. ENCLOSURE	420. FINANCIAL
317. DIFFERENTIAL	369. ENCOUNTER	421. FIRMAMENT
318. DIGITAL	370. ENDOWMENT	422. FISSION
319. DIMINISHING	371. ENFORCEABLE	423. FIXTURES
320. DINING	372. ENGINEER	424. FLASHING
321. DIODE	373. ENLARGEMENT	425. FLEXIBILITY
322. DIPHTHERIA	374. ENTANGLEMENT	426. FLUOROSCOPE
323. DIRECTIONAL	375. ENTHUSIASTICALLY	427. FOLLICLE
324. DISAPPOINT	376. ENTREPRENEUR	428. FOOTING
325. DISCIPLINE	377. ENVIRONMENT	429. FOREIGN
326. DISCONNECT	378. EQUALIZER	430. FORMALDEHYDE
327. DISCONTINUANCE	379. EQUILIBRIUM	431. FORMULA
328. DISCRIMINATE	380. EQUIPMENT	432. FOUNTAIN
329. DISCUSS	381. EQUIVALENT	433. FOYER
330. DISHEVELED	382. EROSION	434. FRANCHISE
331. DISINFECTANT	383. ESCALATOR	435. FREIGHT
332. DISPATCH	384. ESSENTIAL	436. FREON
333. DISSEMINATE	385. ESTIMATE	437. FREQUENCY
334. DISSIPATE	386. ETHICAL	438. FRIEZE
335. DISTRIBUTOR	387. ETIQUETTE	439. FRONTAL
336. DIVIDERS	388. EVACUATE	440. FULFILL
337. DOWEL	389. EVALUATE	441. FUNCTION
338. DRY KILN	390. EVANGELISM	442. GABARDINE
339. DYNAMIC	391. EVAPORATE	443. GADGET
340. DYNAMOMETER	392. EXASPERATION	444. GALVANIZED
341. DYSPNEA	393. EXCLUSIVE	445. GANGRENE
342. ECCENTRIC	394. EXECUTIVE	446. GARDENIA
343. ECCLESIASTICAL	395. EXEMPTION	447. GASTRONOMY
344. ECONOMIC	396. EXHIBITION	448. GENIALITY
345. ECSTASY	397. EXPANSION	449. GENUINE
346. EDUCATION	398. EXPECTANCY	450. GEOGRAPHICAL
347. EFFICIENCY	399. EXPLANATORY	451. GEOLOGY
348. ELABORATE	400. EXPOSED	452. GERANIUM
349. ELASTICITY	401. EXTERIOR	453. GHASTLY
350. ELECTIONEER	402. EXTERMINATOR	454. GINGHAM
351. ELECTRIC	403. EYEWITNESS	455. GIRDER
352. ELECTROCARDIOGRAM	404. FABRICATION	456. GLOSSARY
353. ELECTRODE	405. FABRICATION	457. GLYCERIN
354. ELECTROLYTE	406. FABULOUS	458. GOTHIC
355. ELECTROMAGNETIC	407. FACADE	459. GOUGING
356. ELECTRONICS	408. FACILITIES	460. GOVERNOR
357. ELEVATION	409. FAHRENHEIT	461. GRADUATE
358. ELIMINATION	410. FASHIONABLE	462. GRAIN
359. ELONGATION	411. FATIGUE	463. GRAMMAR
360. ELOQUENCE	412. FEASIBLE	464. GRANARY

465. GRIEVOUS	517. ILLUMINATE	569. JURISDICTIONAL
466. GROTESQUE	518. IMMORTALIZE	570. JUVENILE
467. GROUNDING	519. IMMUNIZATION	571. KALEIDOSCOPE
468. GUARANTEE	520. IMPEDANCE	572. KERF
469. GUERRILLA	521. IMPERCEPTIBLE	573. KEROSENE
470. GUILDS	522. IMPERIALISM	574. KILN
471. GUILTY	523. IMPOSITION	575. KILOWATT
472. GYRATE	524. IMPROMPTU	576. KNICKKNACK
473. GYROSCOPE	525. INAUGURATE	577. KNUCKLE
474. HALATION	526. INCIDENTALLY	578. LACQUER
475. HAMMER	527. INCLINATION	579. LAMINATE
476. HANDKERCHIEF	528. INCOMPETENCE	580. LAMINATION
477. HARMONIOUS	529. INCREDIBLE	581. LANGUAGES
478. HATCHET	530. INCUBATOR	582. LATERAL
479. HAZARDOUS	531. INDELIBLE	583. LATHE
480. HEADSTOCK	532. INDELIBLE	584. LATITUDE
481. HEIGHT	533. INDICATOR	585. LAYOUT
482. HEIRLOOMS	534. INDIFFERENT	586. LEGITIMATE
483. HELICOPTER	535. INDISPENSABLE	587. LEISURE
484. HEMISPHERE	536. INDISPENSABLE	588. LIABLE
485. HEMOGLOBIN	537. INDUCTION	589. LICENSE
486. HEMOPHILIA	538. INDUCTOR	590. LIEUTENANT
487. HEMORRHAGE	539. INDULGE	591. LINEAR
488. HEMOSTASIA	540. INFLUENCE	592. LINGUIST
489. HENCE	541. INHERIT	593. LIQUEFY
490. HERB	542. INHIBITED	594. LITHOGRAPHY
491. HEXAGON	543. INK	595. LOCK MITER
492. HIEROGLYPHIC	544. INNOCENCE	596. LOGIC
493. HISTOLOGY	545. INOCULATION	597. LOOKOUT
494. HOMICIDE	546. INSTALLATION	598. LUBRICATION
495. HOMONYM	547. INSTRUMENTS	599. LUCITE
496. HORIZONTAL	548. INTEGRATED	600. LUMINOUS
497. HORS D' OEUVRE	549. INTEGRITY	601. LUNCHEON
498. HORTICULTURE	550. INTERCEDE	602. MACARONI
499. HOSIERY	551. INTERFACING	603. MACHINERY
500. HUMIDIFIER	552. INTERIOR	604. MACHINING
501. HYDRAULIC	553. INTERNATIONAL	605. MAGNETIC
502. HYDROGEN	554. INTERPRETER	606. MAGNETO
503. HYDROMETER	555. INTERSCHOLASTIC	607. MAHOGANY
504. HYDROPHOBIA	556. INTERVIEW	608. MALIGNANT
505. HYGIENE	557. IRIDESCENT	609. MALLEABLE
506. HYPHEN	558. ISLAND	610. MANEUVER
507. HYPODERMIC	559. ISOMETRIC	611. MANIFOLD
508. HYPOID	560. ISOSCELES	612. MANUFACTURING
509. HYPOTENUSE	561. ITINERARY	613. MARTENSITE
510. HYPOTHESIS	562. JAUNDICE	614. MARTYR
511. HYSTERICAL	563. JEJUNOSTOMY	615. MARVELOUS
512. IDENTIFICATION	564. JEOPARDIZE	616. MASKING
513. IDENTIFIED	565. JOINTS	617. MASONRY
514. IDIOSYNCRASY	566. JOIST	618. MATERIAL
515. ILLEGAL	567. JOURNALISM	619. MATHEMATICS
516. ILLITERATE	568. JOURNEYMAN	620. MATINEE

621. MATRIX	673. OCCASION	725. PHARMACEUTICAL
622. MATURITY	674. OCCIPITAL	726. PHENOMENON
623. MAYONNAISE	675. OFFENSE	727. PHILOSOPHY
624. MECHANICAL	676. OFFERTORY	728. PHLEBOTOMY
625. MECHANISM	677. OMISSION	729. PHONETICS
626. MEDULLA	678. OPAQUE	730. PHOTOGRAPHY
627. MEGAPHONE	679. OPERATION	731. PHOTOSTATIC
628. MELANIN	680. OPPORTUNITIES	732. PHYSIOLOGY
629. MERCHANDISE	681. OPPOSITE	733. PHYSIQUE
630. METABOLISM	682. OPTICIAN	734. PICNICKING
631. METALLIC	683. OPTOMETRIST	735. PICTORIAL
632. METAMORPHOSIS	684. OPULENT	736. PILASTER
633. METEORITE	685. ORBITAL	737. PINKING
634. MEZZANINE	686. ORGANIZATION	738. PLANETARY
635. MICROMETER	687. ORIGINATE	739. PLAQUE
636. MICROPHONE	688. ORTHOCHROMATIC	740. PLATE
637. MINIATURE	689. ORTHOGRAPHIC	741. PLATEMAKER
638. MISCELLANEOUS	690. ORTHOPNEIC	742. PLAUSIBLE
639. MISCHIEVOUS	691. OSCILLATING	743. PLEDGES
640. MISSPELL	692. OSCILLOSCOPE	744. PLIABILITY
641. MNEMONIC	693. OSMOSIS	745. PLINTH
642. MODIFICATION	694. OVERFLOW	746. PLYWOOD
643. MODULAR	695. OVERHANG	747. PNEUMATIC
644. MODULATOR	696. OXYACETYLENE	748. PNEUMONIA
645. MOISTURE PROOF	697. OXYGEN	749. POLARIZE
646. MOLECULAR	698. PAGEANT	750. POLICIES
647. MOLYBDENUM	699. PAMPHLET	751. POLYCHROMATIC
648. MONOTONOUS	700. PANTOMIME	752. POLYETHYLENE
649. MORTGAGE	701. PARAFFIN	753. POLYPEPTIDE
650. MORTISE	702. PARALLEL	754. POLYURETHANE
651. MUTILATE	703. PARALYSIS	755. POPULATION
652. MYSTERIOUS	704. PARAPLEGIC	756. PORTABLE
653. NAPHTHA	705. PARGING	757. PORTFOLIO
654. NATURALIZATION	706. PARLIAMENTARY	758. POSITION
655. NAUSEA	707. PARTICIPATING	759. POSSESSION
656. NAUTICAL	708. PARTICLE BOARD	760. POSSIBILITIES
657. NAVIGATION	709. PASSEMENTERIE	761. PRECEDENT
658. NECESSARY	710. PASTEURIZED	762. PREDICTABLE
659. NEGLIGENCE	711. PATHOLOGICAL	763. PREJUDICE
660. NEGOTIATION	712. PATIENCE	764. PRESERVING
661. NERVOUS	713. PATIENT	765. PRESIDENTIAL
662. NEUTRAL	714. PEDICULOSIS	766. PRIMARY
663. NEUTRALIZER	715. PENETRATION	767. PRINCIPAL
664. NOMENCLATURE	716. PERFORATED	768. PROCEDURE
665. NOMENCLATURE	717. PERIPHERY	769. PROCESS
666. NONPAREIL	718. PERSEVERANCE	770. PROCESSOR
667. NOTCHING	719. PERSIST	771. PRODUCTION
668. NOTORIETY	720. PERSONNEL	772. PROJECTOR
669. NUISANCE	721. PERSPECTIVE	773. PROMINENT
670. NUMEROUS	722. PERSUASIVE	774. PRONUNCIATION
671. OBLIGATION	723. PERTAINING	775. PROPELLER
672. OBLIQUE	724. PETIT FOUR	776. PROPORTION

777. PROPRIETORSHIP	829. RESPONSIBLE	881. SPONGES
778. PROTEIN	830. RESTAURANT	882. STABILIZER
779. PTERYGIUM	831. REVENUE	883. STAIRWAY
780. PUBLICATION	832. RHUBARB	884. STATIONERY
781. PULMONARY	833. RICOCHET	885. STATOR
782. PULSATION	834. RIDICULOUS	886. STATUE
783. PUSH STICK	835. RISER	887. STAY STITCHING
784. PYORRHEA	836. ROMAN	888. STETHOSCOPE
785. QUAIN	837. ROUX	889. STITCH
786. QUANTITY	838. SACRILEGIOUS	890. STORAGE
787. QUARANTINE	839. SADDLE	891. STRIPPING
788. QUERY	840. SANDPAPER	892. STRUCTURAL
789. QUESTIONNAIRE	841. SAUTÉ	893. STRUT
790. QUILL	842. SCHEDULE	894. STRYCHNINE
791. QUOTH	843. SCHEMATIC	895. STUPENDOUS
792. QUOTIENT	844. SCHOLASTIC	896. SUBCUTANEOUS
793. RACEWAY	845. SCISSORS	897. SUBSIDIARY
794. RADIAL	846. SCLEROSCOPE	898. SUBTRACTION
795. RADIATION	847. SCRIPT	899. SUFFRAGE
796. RADIATOR	848. SCUMMING	900. SUMMARY
797. RADIUM	849. SEAM	901. SUPERIORITY
798. RASPBERRIES	850. SECONDARY	902. SUPERSEDE
799. REACTANCE	851. SECRETARY	903. SUPERVISORY
800. RECEIPT	852. SECTION	904. SURGEON
801. RECEIVE	853. SELENIUM	905. SURVIVOR
802. RECEPTACLE	854. SEMIAUTOMATICALLY	906. SUTURES
803. RECIPROCATING	855. SEQUENCE	907. SWITCH
804. RECOGNIZE	856. SEQUENTIAL	908. SYMMETRICAL
805. RECOMMENDATION	857. SERIES	909. SYMPATHETIC
806. RECTANGLE	858. SERIF	910. SYNCHRONIZE
807. RECTIFIER	859. SERPENTINE	911. SYNCHRONOUS
808. REDUCTION	860. SERVICE	912. SYNTHETIC
809. REFERENCE	861. SHALLOT	913. SYRINGE
810. REFERRING	862. SHEARS	914. TACHOMETER
811. REFRESHMENTS	863. SHEATHING	915. TAILOR
812. REGISTER	864. SHERIFF	916. TARIFF
813. REGULATOR	865. SIEGE	917. TECHNICAL
814. REIGN	866. SIGNATURE	918. TECHNICALITIES
815. RELIABILITY	867. SILHOUETTE	919. TECHNIQUE
816. RELIEF	868. SILICONE	920. TELECOMMUNICATIONS
817. RELIGIOUS	869. SIMULTANEOUSLY	921. TELEPROCESSING
818. RELUCTANCE	870. SOFFIT	922. TEMPERATURE
819. RENDEZVOUS	871. SOLIDIFY	923. TENSION
820. REPRESENTATIVE	872. SOPHOMORE	924. TERMINAL
821. REPUDIATION	873. SOURCE	925. TERMINATOR
822. REPUGNANT	874. SPAGHETTI	926. TERTIARY
823. RESERVOIR	875. SPECIFIC	927. THERMOGRAPH
824. RESIN	876. SPECIFICATIONS	928. THERMOSTAT
825. RESISTANCE	877. SPHYGMOMANOMETER	929. THORACIC
826. RESONANCE	878. SPINDLE	930. THOROUGH
827. RESPECTFULLY	879. SPIRAL	931. THREAD
828. RESPIRATOR	880. SPLENDID	932. TITANIUM

933. TORQUE	956. UNKNOWN	979. VISCOSITY
934. TOURNAMENT	957. UNREDEEMED	980. VOCABULARY
935. TRANSDUCER	958. USUALLY	981. VOCATIONAL
936. TRANSFORMER	959. UTILIZE	982. VOLATILE
937. TRANSISTOR	960. VACCINATION	983. VOLTAGE
938. TRANSMISSION	961. VACILLATE	984. VOLTMETER
939. TREADLE	962. VALEDICTORIAN	985. VOLUNTARY
940. TREMENDOUS	963. VALUABLE	986. VOLUTE
941. TRENDLENBURG POSITION	964. VAPORIZATION	987. WEATHER
942. TRICHINOSIS	965. VEGETABLE	988. WEATHERPROOF
943. TRICHOLOGY	966. VEGETATION	989. WELSH RAREBIT
944. TRIMMER	967. VEHICLE	990. WITHDRAWAL
945. TRY SQUARE	968. VELOCIPED	991. WORSTED
946. TUBERCULOSIS	969. VELOUR	992. WRITING
947. TURQUOISE	970. VENGEANCE	993. XYLOPHONE
948. TURRENT	971. VENTILATION	994. YACHTING
949. TWEED	972. VERNIER	995. ZENITH
950. ULTRAMAFIC	973. VERTICAL	996. ZIPPER
951. UNANIMOUS	974. VESTIGE	997. ZIRCONIUM
952. UNDERLAYMENT	975. VICHYSOISE	998. ZODIAC
953. UNDERSTITCHING	976. VICIOUS	999. ZOOLOGIST
954. UNIMPORTANCE	977. VINYL	1000. ZUCCHINI
955. UNITY	978. VIOLESCENT	

VINYL SIGN MAKING

(Missouri only Demonstration Contest)

Purpose:

To evaluate each contestant's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of vinyl sign making.

First, refer to General Regulations.

Clothing Requirements

For men: Official white polo shirt with black dress slacks, black socks and black leather shoes. For women: Official white polo shirt with black dress slacks or skirt, black socks or black or clear seamless hose and black leather shoes. To purchase the polo shirt, contact Midwest Trophy Manufacturing Co. Inc. by calling 1-800-324-5996 or order online at <http://www.mwtrophy.com/vica/index.html>.

Eligibility:

Open to active Skills USA members enrolled in programs with computer graphics as the occupational objective.

Equipment And Material:

1. Supplied by the technical committee:
 - a. Sign material
 - b. Vinyl
 - c. All necessary information and furnishings for judges and technical committee
2. Supplied by the contestant:
 - a. Application tape
 - b. Masking tape
 - c. Squeegees
 - d. Rulers
 - e. Cutting and weeding tools
 - f. Pencils
 - g. Additional tools or supplies
 - h. Surge protector
 - i. Computer with appropriate software installed
 - j. External or internal zip drive
 - k. Plotter
 - l. Compatible monitor

Scope of the Contest:

1. Contestants will demonstrate their ability to perform jobs or skills selected from the following list of competencies as determined by the SkillsUSA Championships technical committee. Committee membership includes: (TBA)
 - a. Demonstrate ability to read and comprehend instructions.
 - b. Demonstrate ability to communicate ideas through sketches.
 - c. Demonstrate understanding and skills necessary to prepare the file for plotting.
 - d. Demonstrate knowledge and appropriate use of industry standard hardware and software.
 - e. Understand and apply color.
 - f. Apply basic design concepts and principles. (Demonstrate understanding, appropriate choice and application.)
 - g. Demonstrate the appropriate application of vinyl.
2. The scenario, size, product and vinyl colors will be standardized. The technical committee will supply logo art for the project on a zip disk.
3. Contestants will not be allowed to use any reference materials that are not supplied by the technical committee.

Note: No national competition is available for this event.

MISSOURI SKILLSUSA CHAMPIONSHIPS

VINYL SIGN MAKING RATING SHEET

Demonstration Contest

[illegible]